



# STORY OF OPEN ACCESS IN TURKEY



**GULTEKIN GURDAL**  
Library Director  
Izmir Institute of Technology

Unisa Library and Information Services  
Open Access Webinar 2021  
26 October 2021



# Topics to Cover

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- About IZTECH and IZTECH Library
- Higher Education Landscape in Turkey and Key Players for Open
- 20 Years of Open in Turkey
- What We Have Done...
- Events
- Open Science @ CoHE
- Open Science @ TUBITAK
- Numbers
- Open Science Policy in Turkey
- Challenges - Opportunities

# IZMIR INSITUTE OF TECHNOLOGY







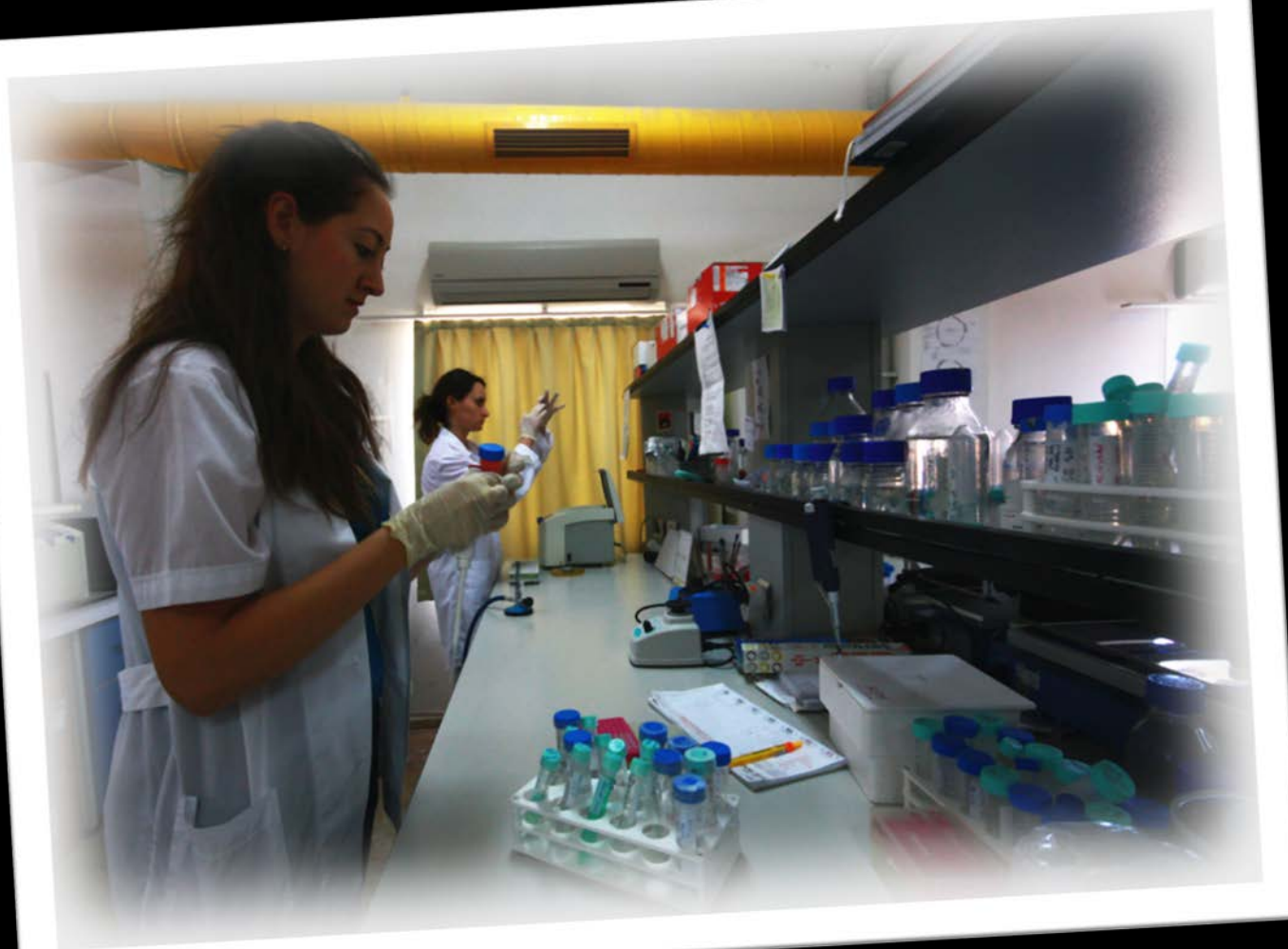


## İZMİR

- "İzmir" probably derives from the former Greek name "Smyrna"
- 3.500 years of recorded urban history
- The second largest port and the third largest city in Turkey
- Population: 4.428.875
- Mediterranean climate







## IZMIR INSTITUTE OF TECHNOLOGY

- Founded in 1992 as a state university
- The only internationally distinguished advanced technical university in Turkey
- Emphasis on education and research in science and technology
- Language of instruction is English
- The campus is in Gülbahçe /Urla/Izmir
- 3.500 hectares campus area & 132.000 square meters closed area (The biggest campus area in İzmir)

# Faculties and Departments

**18 undergraduate,  
27 master's and  
19 doctorate programs  
Total= 6343 students.**

## Faculty of Science

- Physics
- Photonics
- Chemistry
- Mathematics
- Molecular Biology and Genetics

## Faculty of Architecture

- Industrial Design
- Conservation and Restoration Cultural Heritage
- Architecture
- City and Regional Planning

## Faculty of Engineering

- Computer Engineering
- Bioengineering
- Environmental Engineering
- Energy Systems Engineering
- Electrical-Electronics Engineering
- Food Engineering
- Civil Engineering
- Chemical Engineering
- Mechanical Engineering
- Materials Science and Engineering

## School of Foreign Languages

- Basic English
- Modern Languages

**3 Faculties with  
19 Departments**





**IZTECH Library**

Starting  
Point for  
Reliable  
Information

<http://library.iyte.edu.tr/>



# The Library Video

<https://youtu.be/WyktuupxT6Y>



# The Library Virtual Tour



Air

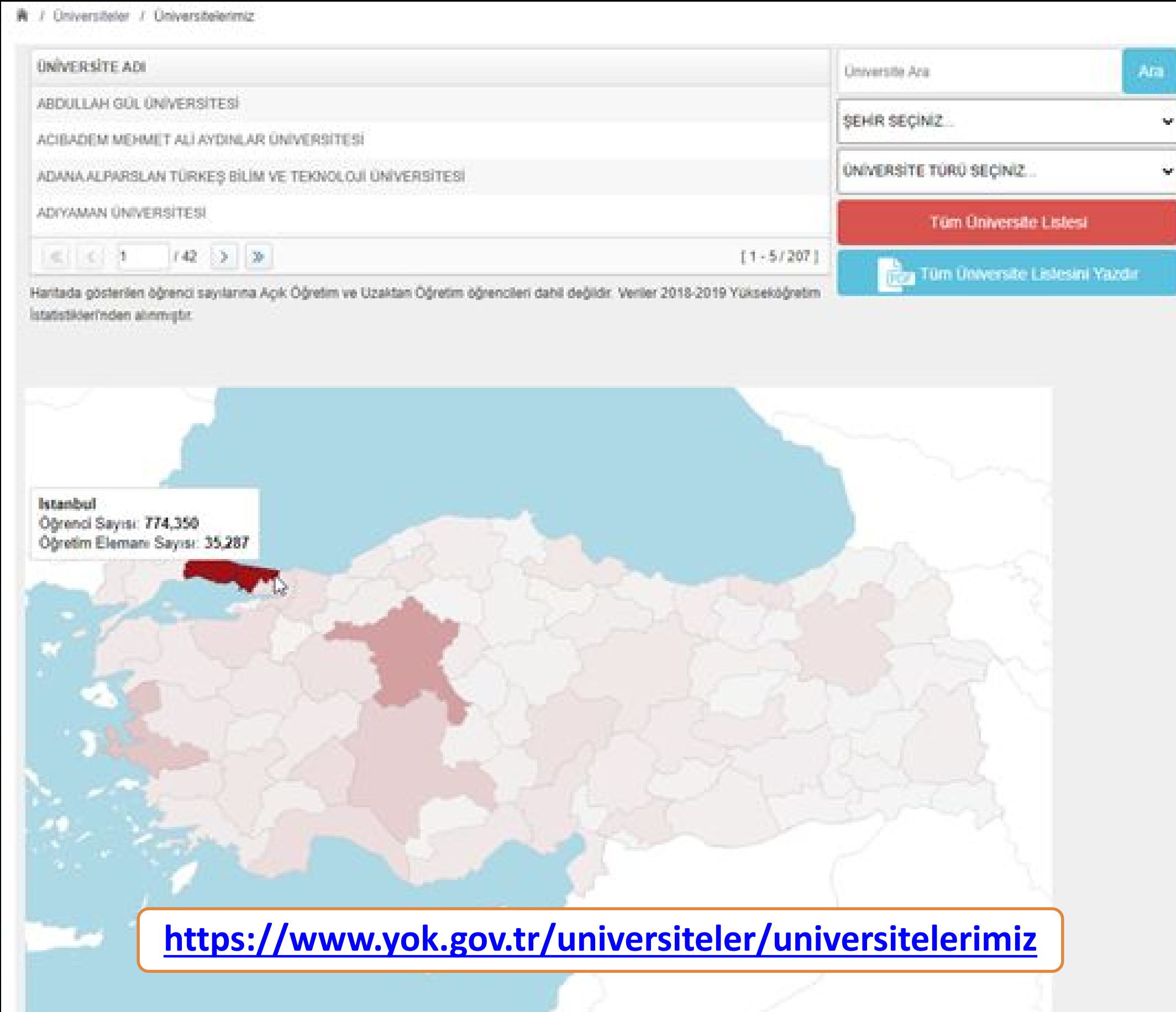


<https://dinguide.com/iyte-kutuphane>





# Higher Education Landscape in Turkey



**Higher Education Institutions: 207**

State Universities: 129

Private Universities: 74

Foundation Vocational Schools: 4

## Key Players for Open in Turkey



TURKISH ACADEMIC NETWORK AND INFORMATION CENTER

## EC Projects



Anatolian University Libraries Consortium

# 20 Years of Open in Turkey

2002

ANKOS became a member of Scholarly Publishing and Academic Resources Coalition – SPARC



2003

Middle East Technical University's E-Thesis Archive and the first member of Networked Digital Library of Theses and Dissertations – NDLTd (in 2004)



2004

- The first experimental OA archive of Hacettepe University Library and information Science Department.
- E-prints in Library and Information Science has been in Turkish Library world.



2005

The first official open archive: Ankara University Open Archive Repository



2006

Formation of ANKOS Open Access and Institutional Repositories Working Group (ANKOS OAIR)





# 20 Years of Open in Turkey

2009

ANKOS National University Open Access Project and MITOS Consortium



2011 - 2021

Participated in EC Projects: MedOANet (2011-2013), PASTEUR4OA (2014-2016), OpenAIRE projects (OpenAIRE Plus (2011-2014), OpenAIRE2020 (2015-2018), OpenAIRE Advance (2018-2021))



2013

First mandatory Open Access Policy released by IZTECH



2014

- The Driver Guide 2.0 translated into Turkish
- DergiPark, OA journal hosting service established by TÜBİTAK, harvested by OpenAIRE
- CoHE Institutional Repositories and Open Access Working Group, National Academic Archive Project and OA Policy template sent to the HEIs
- Member of Sponsoring Consortium for Open Access Publishing in Particle Physics



2015

National Open Science Committee established under TÜBİTAK



# 20 Years of Open in Turkey

2016

TÜBİTAK National Harvesting System: Turkey Academic Archive



2019

- CoHE established Turkey Research Data and Open Data Task Force
- IZTECH Open Science Policy released (based on OpenAIRE model It sent to other Turkish universities as a model policy by CoHE. policy).
- TÜBİTAK Open Science Policy launched
- Turkish Era Roadmap: National Roadmap on European Research Area: 5b: Open access to publications and data in an open science context.



2018

- OA to Theses and Diss. in Turkey enacted by the Parliament
- First Open Science Summit - High level meeting with decision makers, key players
- The first Research Data Management Workshop
- CoHE established the Open Science Committee





## **ANKOS Open Access and Institutional Repositories Working Group (2008-2018)**

- ANKOS OAIR group members worked in as OpenAIRE Turkey NOAD (2011 – 2015).



# CoHE Institutional Repositories and Open Access Working Group

## The aim of the group was:

Gather the academic outputs that Turkish Universities are producing and archive them into open repositories which are compliant with international standards, present them to the service of the scientific community, and measure academic performance.

## Higher Education Open Archive Project: Two-step

Gathering the academic outputs of Turkey into the institutional repositories

Making these records accessible at the national and international level via the Higher Education "National Academic Open Repository" Project System.



The working group was made up of subject specialists

# What These Working Groups Have Done...

Web sites

Guides

Presentations

Translations

Proceedings

Workshops

Brochures and Posters

Trainings Programmes

<http://acikerisim.yok.gov.tr>

<https://ankos.org.tr/tr/acik-erisim/kaynaklar/>

<https://www.sonmezelcelik.net/>

<https://acikerisim.org/>

<https://libguides.iyte.edu.tr/openaire>

ANKOS Açık Erişim ve Kurumsal Arşivler

## DSPACE Kurumsal Arşiv Sisteminin Kurulması ve Uygulanması

HAZIRLAYANLAR:  
ANKOS AEKA Grubu Üyeleri:  
Sönmez ÇELİK (Doğuş Üniversitesi)  
Gültekin GÜRDAL (İYTE)  
Burcu KETEN (ODTÜ)  
Levent KUTLUTÜRK (Yaşar Üniversitesi)  
Ata TÜRKİDANI (Yaşar Üniversitesi)

Diğer:  
Onur BUĞAN (Doğuş Üniversitesi)

Ulusal Açık Erişim Çalıştayı, 8-9 Kasım 2012  
Hacettepe Üniversitesi Kongre ve Kültür Merkezi, Sıhhiye, Ankara

- Açık Erişim Arşivi Oluşturma Süreci: Problemler ve Çözüm Önerileri. 3. Uluslararası Değişen Dünyada Bilgi Yönetimi Sempozyumu, 19-21 Eylül 2012, Ankara, Türkiye : Bildiriler Kitabı. Ankara: Hacettepe Üniversitesi Bilgi ve Belge Yönetimi Bölümü.
- Açık Erişim Arşivi Oluşturma Süreci: Ulusal Açık Erişim Çalıştayı, 8-9 Kasım 2012, Hacettepe Üniversitesi Kongre ve Kültür Merkezi, Sıhhiye, Ankara.
- DSPACE Kurumsal Arşiv Sisteminin Kurulması ve Uygulanması. Ulusal Açık Erişim Çalıştayı, 8-9 Kasım 2012, Hacettepe Üniversitesi Kongre ve Kültür Merkezi, Sıhhiye, Ankara

ANKOS  
AÇIK ERİŞİM VE KURUMSAL ARŞİVLER GRUBU  
ÇALIŞTAYI

## "Açık Erişim Arşivi Oluşturma Süreci: Problemler ve Çözüm Önerileri"

ANKOS  
Açık Erişim ve Kurumsal Arşivler

### Açık Erişim ve DSPACE Kurumsal Arşiv Yazılımı

Sönmez Çelik<sup>1</sup>, Gültekin Gürdal<sup>2</sup>, Burcu Keten<sup>3</sup>, Ata Türkfidani<sup>4</sup>,  
Levent Kutlutürk<sup>5</sup>

<sup>1</sup>Doğuş Üniversitesi Kütüphanesi

<sup>2</sup>İzmir Yüksek Teknoloji Enstitüsü Kütüphanesi

<sup>3</sup>Orta Doğu Teknik Üniversitesi Kütüphanesi

<sup>4</sup>Yaşar Üniversitesi Bilgi Merkezi

<sup>5</sup>scelik@dogus.edu.tr. gultekingurdal@iyte.edu.tr. bketen@metu.edu.tr.

ata.turkfidani@yasar.edu.tr. levent.kutluturk@yasar.edu.tr.

**Özet:** Akademik camiada ortak çıkarların yaratılması amacıyla bilginin paylaşılmasına arnağan edilmiş toplumsal bir hareket olan Açık Erişim, bugün dünyada pek çok bilim insanı, yayınevi ve araştırmacı tarafından desteklenmektedir. Açık erişimin temelini oluşturan kurumsal arşiv sistemleri için kullanılan yazılımlar, ücretsiz olan açık kaynak kodlu yazılımlar ve çeşitli firmalar tarafından geliştirilen ücretli paket programlardan oluşmaktadır. İlk sürümü 2002 yılında kullanıma sunulan DSpace Massachusetts Teknoloji Enstitüsü (MIT) ve Hewlett Packard (HP) işbirliğiyle geliştirilmiş açık kaynak kodlu kurumsal arşiv yazılımıdır ve Kasım 2012 itibarıyla dünyada 1.360'tan fazla kurum tarafından kullanılmaktadır. Bu çalışmada, açık erişim ve kurumsal arşivler üzerinde durularak, DSpace kurumsal arşiv yazılımının özellikleri ve açık erişim girişimlerine olan katkısı vurgulanmaya çalışılmıştır.

**Anahtar Sözcükler:** Açık Erişim, Kurumsal Arşivler, DSpace Yazılımı

### Open Access and DSpace Institutional Repository System

**Abstract:** The Open Access movement is a social movement in academia, dedicated to the principle of open access - to information - sharing for the common good and is being supported by many scientists, publishers, and researchers in the world, today. The software that is used to operate the institutional archive systems which are the basis of the Open Access, are divided into two forms of some free open source software and paid package programs which were developed by some corporates. DSpace, whose first version was presented to use in 2002, is an open source archive software which was developed with the co-operation of Massachusetts Institute of Technology and Hewlett Packard and is being used by more than 1.360 institutions all over the world as of November, 2012. The aim of this study is to highlight the features of the DSpace institutional archive software and its contributions to the open access initiatives by emphasizing the open access and institutional archive.

**Keywords:** Open Access, Institutional Repositories, DSpace



## DRIVER Rehberi 2.0

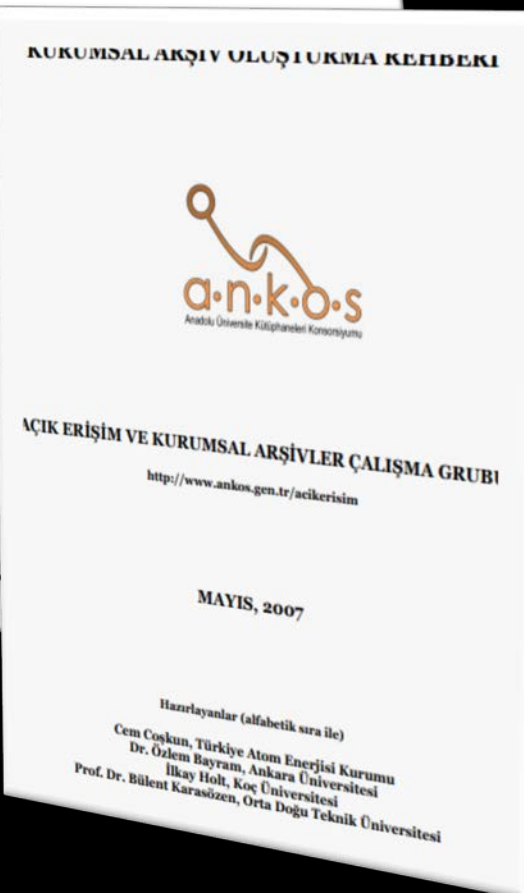
### İçerik Sağlayıcılar İçin Rehber – OAI-PMH ile Metinsel Bilgi Kaynaklarının Keşfi

[Kasım 2008]



### Araştırma Kurumları İçin OpenAIRE The OpenAIRE Guide for Research

Araştırma Kurumları İçin OpenAIRE Kılavuzu, uygulanabilir prosedürlerini hayata geçirmede araştırma kurumları için hazırlanmıştır.





# Events (2011 – 2021)

Participated in 123 events (26 of which were international events)

- 100 presentations were made
- 15 webinars were organized



12 Workshop / Conference / Symposium / Seminar

<https://acikerisim.org/>

- 1st National Open Access Workshop (OA 2012), Final Declaration, 08-09 November 2012, Ankara - <http://ae2012.acikerisim.org/>
- 1st International Semantic Network and Metadata Systems Conference, 7-8 March 2013, Izmir -
- 2nd National Open Access Workshop (OA 2013), Final Declaration, 21-22 October 2013, Izmir - <http://ae2013.acikerisim.org/>
- 3rd National Open Access Workshop (OA 2014), Final Declaration, 20-21 October 2014, Ankara - <http://ae2014.acikerisim.org/>
- 4th National Open Access Workshop (OA 2015), Ankara Declaration, 19-21 October 2015, Ankara - <http://ae2015.acikerisim.org/>
- 5th National Open Access Conference (OA 2016), 27 October 2016, Ankara - <http://ae2016.acikerisim.org/>
- 6th National Open Access Conference and OpenAIRE2020 Workshop, 24-26 October 2017, Izmir, Declaration - <http://ae2017.acikerisim.org/>
- Turkish Open Science Summit, 10 September 2018, Istanbul - <https://summit2018.acikbilim.org/>
- Research Data Management and Open Science Workshop, 11 September 2018, Istanbul - <https://rdm.acikerisim.org/>
- On the way towards Open Science – Science Set Free- Seminar, 11 April 2019, Izmir - <https://libguides.iyte.edu.tr/acikbilimyolundaiyte>
- 7th National Open Science Conference and OpenAIRE Advance Workshop, 19-20 November 2019, Izmir - <https://os2019.acikbilim.org/>
- National Research Data Symposium, 25-26 May 2021, Online <https://acikveri.org/>

**Turkish Open Science Summit: High level meeting with decision makers, key players**

## **Extensive Preparation Time and Strategic Planning**



<http://summit2018.acikbilim.org/>

**September 10, 2018, Sakıp Sabancı Museum, Istanbul**

Organized by

- Sabancı University,
- Izmir Institute of Technology,
- The Scientific and Technological Research Council of Turkey (TUBITAK),
- Hacettepe University
- Anadolu University Libraries Consortium (ANKOS).

Attended by 170 people and 1.342 people also followed the conference via web.

- Administrators of the Turkish Higher Education Council (CoHE),
- Administrators of the Turkish Scientific and Technological Research Council (TUBITAK),
- University Rectors,
- Vice Rectors,
- high-level representatives of industrial organizations
- NGOs.



# Invited Speakers: Leading Experts in Their fields



**Elli Papadopoulou**  
Librarian and  
Information Systems  
specialist working at  
ATHENA Research &  
Innovation Center in  
Greece



**Gultekin Gurdal**  
Library Director,  
İzmir Institute of  
Technology, Turkey  
and OpenAIRE NOAD



**İlkey HOLT**  
Consultant,  
Confederation of  
Open Access  
Repositories (COAR),  
Germany



**Marta Teperek**  
Coordinator of Data  
Stewardship,  
Delft University of  
Technology, The  
Netherlands



**Mehmet Gocmen**  
CEO, Sabancı Holding,  
Turkey



**Natalia Manola**  
Res. Assoc., ATHENA  
Research and  
Innovation Center  
and the University of  
Athens, Department  
of Informatics and  
Telecommunications,  
Greece



**Raimund Vogl**  
CIO of the University  
of Münster and the  
Director of the  
University IT Center,  
Germany



**Sezer Sener  
Komsuoglu**  
Advisor to the  
President of CHE and  
Member of Research  
and Innovation  
Committee of EUA,  
Turkey



**Tim Smith**  
Head of Collaboration  
Devices and  
Applications Group at  
CERN, the European  
Particle Physics  
Laboratory, Switzerland



**Yasar Tonta**  
Department of  
Information  
Management,  
Hacettepe University,  
Turkey



**Guleda Dogan**  
Department of  
Information  
Management,  
Hacettepe University,  
Turkey

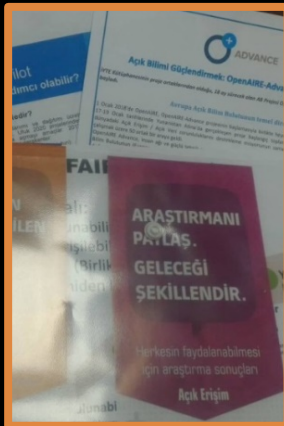
# Highlights about Turkish Open Science Summit



An important milestone for long-standing works on Open Access and Open Science in Turkey.



For the first time all stakeholders came together.



Promotional documents related to OpenAIRE, Zenodo and Open Access and research data in Turkish were put into folders and distributed to all participants.



Broad news in the press.  
12 National newspapers  
77 news websites



**Location:** Sabancı University, Sakip Sabanci Museum the Seed, Istanbul

- a) Foundation University, by Sabanci Foundation supported Sabanci family, one of Turkey's wealthiest.
- b) Financial support

**High Level Participation:** The administrators of the Turkish Higher Education Council (CoHE), the Turkish Scientific and Technological Research Council (TUBITAK), University Rectors and Vice Rectors, high-level representatives of industrial organizations and NGOs.

**Panel on “Open Science and Innovation”** with speakers from Universities and the industry.

**Panelists:**

Prof. Dr.  
Mustafa Guden, Rector, Izmir  
Institute of Technology, Turkey

Prof. Dr.  
Mehmed Ozkan, Rector,  
Bogazici University, Turkey

Prof. Dr. Sirin Tekinay, Vice  
Rector for R&D, Sabancı  
University, Turkey

Ismail Gulle,  
President of Turkish Exporters  
Assembly (TIM), Turkey

Oguzhan Ozturk,  
CTO at Arçelik, Turkey



# The First Meeting on Research Data Management

A day after Turkish Open Science Summit “Research Data Management and Open Science Workshop” was held at Bogazici University, Istanbul with nearly 200 participants.



By the cooperation of TUBITAK, Bogazici University, İzmir Institute of Technology and Hacettepe University.



Speakers: Most of the invited speakers for the Open Science Summit.

September 11, 2018, Bogazici University, Istanbul

<http://rdm.acikerisim.org/>



# Impact of the Turkish Open Science Summit

Immediate invitation by  
CoHE to brief them about  
open science principles

CoHE established an official  
Open Science Committee

Two meetings were  
held with President of  
CoHE in October and  
December 2018

CoHE established Research  
Data and Open Data Task  
Force Sub-Working Group



# Open Science @ CoHE

## CoHE Open Science Committee: Responsible for preparing the OS Plan and providing direction for its implementation in Universities.

- Prof.Dr. Naci Gundogan – CoHE
- Prof.Dr. Sezer Sener Komsuoglu – CoHE
- Prof.Dr. Erkan Ibis – CoHE
- Prof.Dr. Abdullah Atalar – Rector, Bilkent University
- Prof.Dr. Yasar Tonta – Hacettepe University
- Prof.Dr. Kursat Cagiltay – METU
- Prof.Dr. Dogan Atilgan – Ankara University
- Mehmet Mirat Satoglu – Director, TUBITAK – ULAKBIM
- Gultekin Gurdal – Izmir Institute of Technology
- Ahmet Kahraman – CoHE
- Hasan Lale - CoHE

## CoHE Research Data and Open Data Task Force Sub-Working Group

Çalışma Grubu Üyeleri ve Yapısı			
Koordinatör :		Gültekin Gürdal	İYTE
Sekreteryaya :		Gönül Kafalı Can	İYTE
Danışmanlar:			
1	Marta TEPEREK	Delft Teknik Üniversitesi	Hollanda
2	Yasemin TÜRKYILMAZ, van der Velden	Delft Teknik Üniversitesi	Hollanda
3	İlkay HOLT	Confederation of Open Access Repository	İngiltere
İçerik			
1	Bahadır BARUT	Sabancı Üniversitesi	
2	Ayşen BİNEN	İzmir Yüksek Teknoloji Enstitüsü	
3	S. Cihan DOĞAN	Hacettepe Üniversitesi	
4	Emine Hatun GÜR	Boğaziçi Üniversitesi	
5	Burak HEKİM	İstanbul Üniversitesi	
6	Sevgi OYMAK	Orta Doğu Teknik Üniversitesi	
7	Ece ÖKSÜZ	İstanbul Bilgi Üniversitesi	
8	Fadime TAŞÇI	Özyeğin Üniversitesi	
9	Çiğdem YILDIRIM	Koç Üniversitesi	
Teknik			
10	Zeki ÇELİKBAŞ	İstanbul Teknik Üniversitesi	



# CoHE Research Data and Open Data Task Force Sub-Working Group



BİLİMİ ÖZGÜR BIRAK  
Daha iyi bir gelecek için. Araştırma çıktılarını paylaş!



*Research Data and Open Data Task Force comprised of librarians from 6 Research Universities and selected 4 Foundation Universities*

## The targets of this group are:

- \* Research data management for Turkish Universities,
- \* Preparing a data management plan,
- \* Following developments in the world about research data such as open data,
- \* Cooperating with relevant institutions in Turkey,
- \* Providing trainings on RDM,
- \* Supporting the creation of interoperable systems in particular with Europe,
- \* Preparing reports,
- \* Making translations...



# CoHE Research Data and Open Data Task Force Sub-Working Group

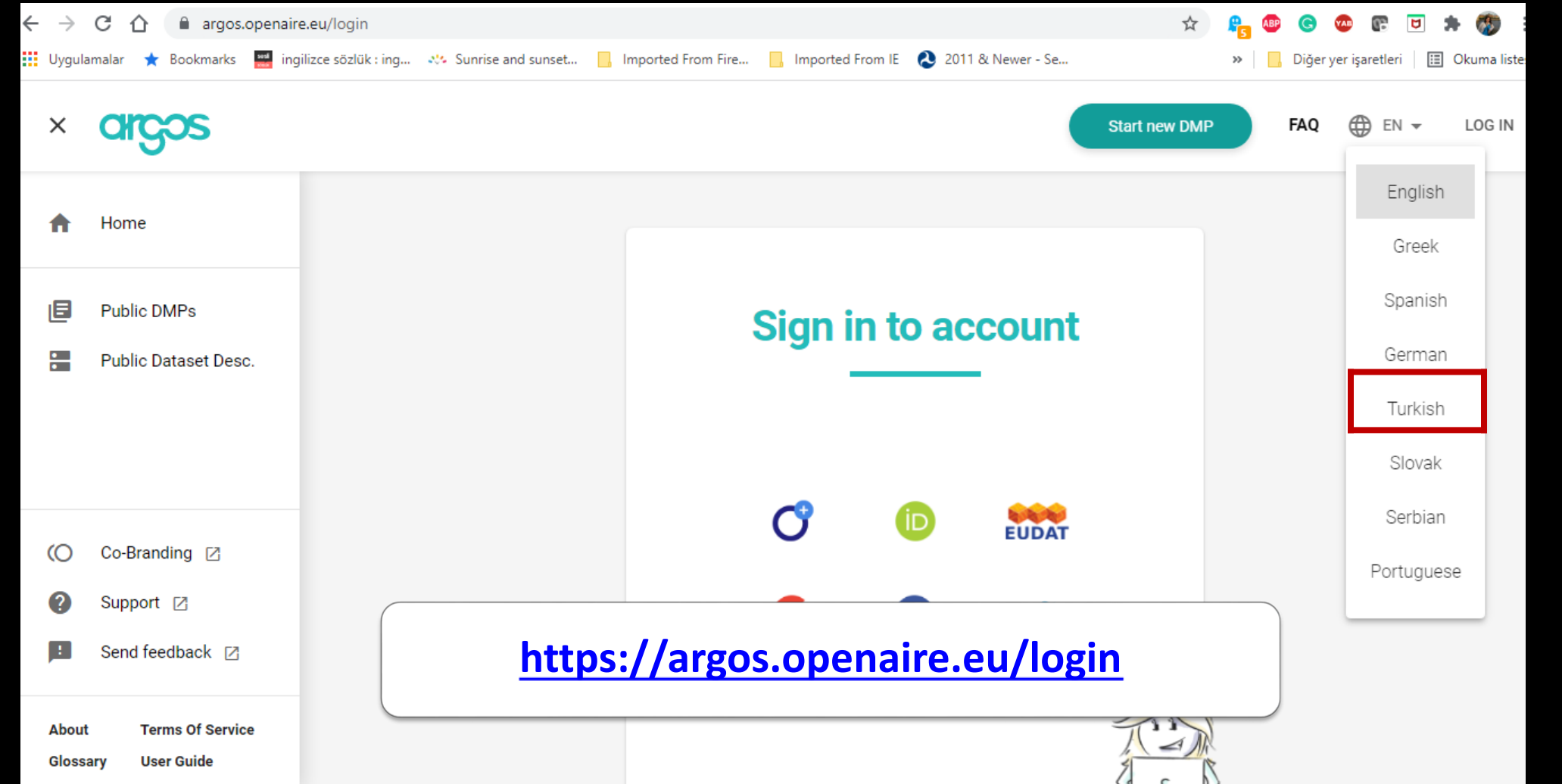
<https://doi.org/10.17605/OSF.IO/YJRZD>

## Engaging Researchers with Data Management The Cookbook

CONNIE CLARE, MARIA CRUZ, ELLI PAPADOPOULOU, JAMES SAVAGE,  
MARTA TEPEREK, YAN WANG, IZA WITKOWSKA, AND JOANNE YEOMANS

## Veri Yönetiminde Araştırmacılarla Etkileşim Örnek Çalışmalar Kitabı

CONNIE CLARE, MARIA CRUZ, ELLI PAPADOPOULOU, JAMES SAVAGE,  
MARTA TEPEREK, YAN WANG, IZA WITKOWSKA VE JOANNE YEOMANS



**DATA REUSE  
STORY FROM  
IZMIR INSTITUTE OF TECHNOLOGY**





# Turkey's Roadmap for Universities

## 5b: Open access to publications and data in an open science context

Open Access and Open Science constitute basis for increased visibility, increased citations, equal access (including disabled people), wider dissemination of scientific knowledge and research results. The impact of open access is favourable in terms of capturing value out of research and achieving increased returns to public investment in research.

Council of Higher Education (YÖK) together with TÜBİTAK are leading the processes for enabling open access at national scale. The national level strategies and actions would be complemented by university level activities for open access.

### Objective 5b: Promoting and implementing an Open Science and Open Access approach

YÖK formed a Commission on Open Access including the rectors, related faculty members, TÜBİTAK representatives and library documentation experts. In this context, YÖK highlighted the importance of establishment of the "Open Academic Archive System" in the international standards in all universities. The "Open Access" (OpenAIRE)" through and using of "Universal Researcher

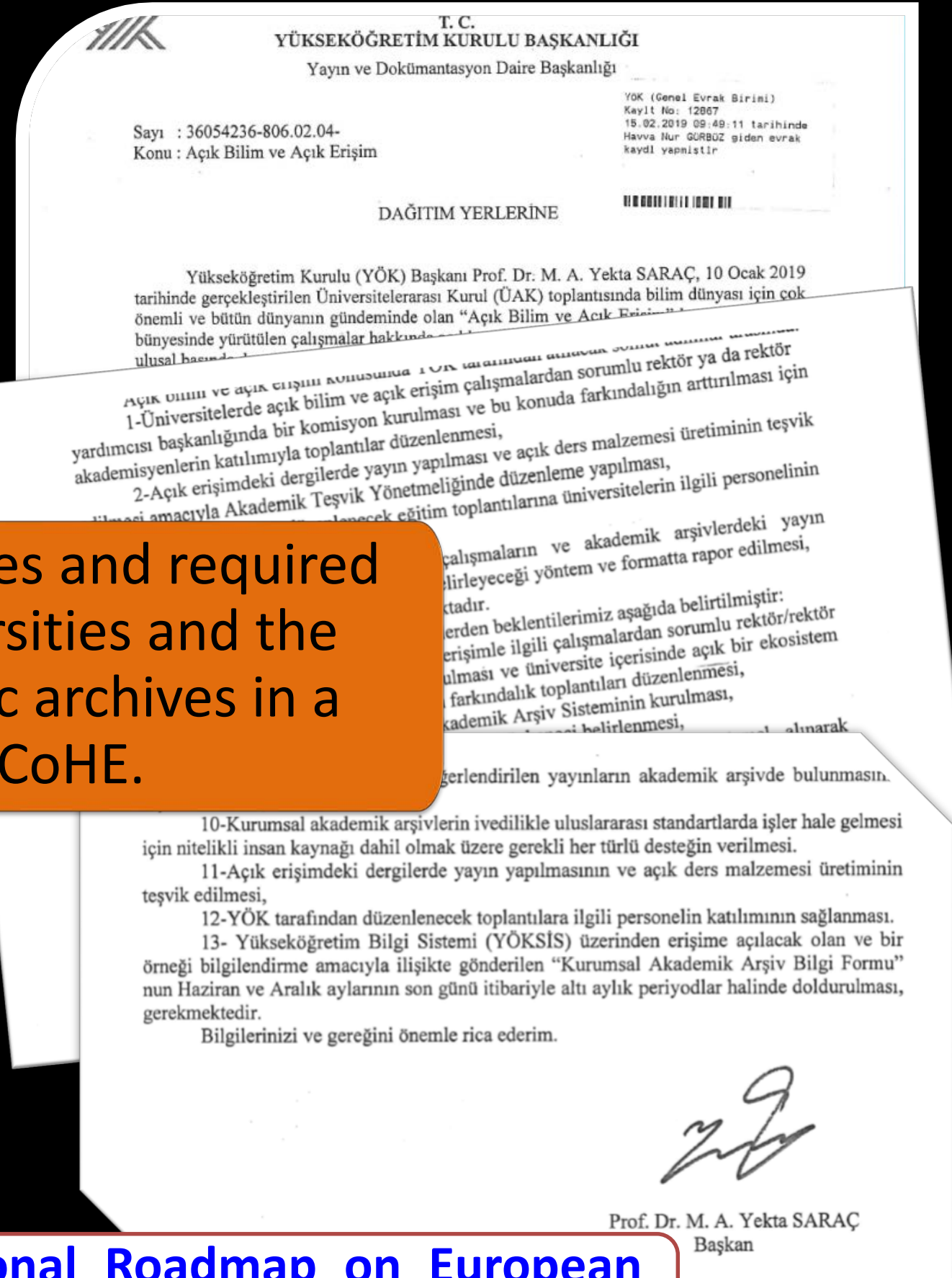
Concrete steps are declared by YÖK:

- Reporting of the work carried out in open academic archives in regular periods,
- Establishing a commission responsible for open access and open science studies at universities and organizing awareness meetings to develop a clear ecosystem within the university,
- Revision of the Academic Incentive Regulation in order to promote publishing in open access journals and production of open education material,
- Ensuring the participation of the relevant staff of the universities in the meetings and trainings organized by YÖK.

In 2019, TÜBİTAK will take decisive actions towards Open Access and Open Science in cooperation with YÖK:

- Adoption of TÜBİTAK's Open Science Policy (effective as of 14 March 2019)
- Adoption of the timeline: 2019 as a pilot year for selected support programmes, and 2020 as the year of transition to mandatory policy implementations in Open Access for all support programmes
- Launching pilot call with Open Science requirements in the second half of 2019
- Setting up of Research Data

CoHE sent an official letter to all universities and required reports of the work carried out by universities and the number of publications in open academic archives in a method and format specified by CoHE.



[https://era.gv.at/public/documents/4071/Turkish\\_National\\_Roadmap\\_on\\_European\\_Research\\_Area\\_May\\_2019.pdf](https://era.gv.at/public/documents/4071/Turkish_National_Roadmap_on_European_Research_Area_May_2019.pdf)



# CoHE Requirements on Open Archives

General information about the Institutional Repository

Contact information of Repository Manager

Software and Version Information

OAI-PMH OAI-PMH compliance

Handle prefix

Harvesting Services: (Harman, Base, OpenAire, Google Scholar, other)

Registration Open DOAR, ROAR

Open Science Policy

User Guide

The Number of Publications (Full-text, embargoed, publications types etc.)

# Open Science @ TUBITAK



THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY



TURKISH ACADEMIC NETWORK AND INFORMATION CENTER

- TURKEY is one of the 46 members states of SCOAP3 consortium.
- SCOAP is supported by TÜBİTAK ULAKBİM.



<https://cabim.ulakbim.gov.tr/ulakbim-acik-erisim-faaliyetleri/scoap3/>





## Members of TUBITAK Open Science Committee

Mehmet Mirat SATOĞLU	TÜBİTAK ULAKBİM Müdürü/Komite Başkanı
Mustafa SANCAR	TÜBİTAK ULAKBİM Müdür Yardımcısı
Filiz MENGÜÇ	TÜBİTAK ULAKBİM (Uzman)
Ebru SOYUYÜCE AYDIN	TÜBİTAK ULAKBİM (Başuzman)
Prof. Dr. Yaşar TONTA	Hacettepe Üniversitesi Bilgi ve Belge Yönetimi Bölümü
Prof. Dr. Altuğ ÖZPİNECİ	ODTÜ Fizik Bölümü
Av. Gülmelahat DOĞAN	TÜBİTAK Hukuk İşler Başkanlığı
Dr. Derya DÖNERTAŞ	TÜBİTAK Uluslararası İşbirliği Daire Başkanlığı /Bilimsel Programlar Uzmanı
Dr. Banu BURUK	TÜBİTAK Araştırma Destek Programları Başkanlığı
Dr. Alp Eren YURTSEVEN	TÜBİTAK Teknoloji ve Yenilik Destek Programları Başkanlığı
Melis KOCATÜRK	TÜBİTAK Bilim, Teknoloji ve Yenilik Politikaları Daire Başkanlığı Bilimsel Programlar Uzmanı
Gültekin GÜRDAL	İzmir Yüksek Teknoloji Enstitüsü (İYTE) Kütüphane ve Dokümantasyon Daire Başkanı

# TUBITAK ULAKBİM Open Science



Dergipark

<https://dergipark.org.tr/en/>



TUBITAK Open Archive Aperta  
<https://aperta.ulakbim.gov.tr/>



Turkish National e-Science e-Infrastructure (TRUBA)  
EOSC European Open Science Cloud membership  
<http://www.truba.gov.tr/index.php/eosc-hub-2/>



Open Science Portal

2014

2016

2018

2019

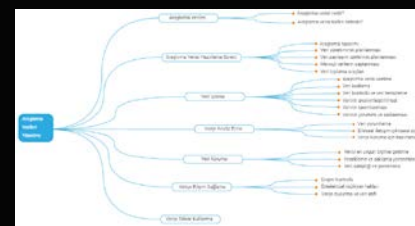
2020

2021

2022



National Harvesting System: Turkey Academic Archive  
<https://harman.ulakbim.gov.tr/>



Research Data Management Training Portal  
<https://acikveri.ulakbim.gov.tr/>



Aperta Turkey Open Archive



# DergiPark- National Open Journal Hosting Platform

**DergiPark**  
AKADEMİK

New designs have been added to the journal pages. You can look to the Help menu for your page edits.  
Click to access the process guide.



Search on DergiPark

Search by title, author, keyword, ISSN, DOI and more | [Advanced Search Tips](#)

## Science

Environmental Sciences  
Food Science and Technology  
Engineering  
Multidisciplinary Sciences  
Basic Sciences  
Medicine  
Veterinary Sciences  
Agriculture

8th Year



International Journal of Environment and Geoinformatics

eISSN: 2148-9173

Quarterly 52K ± 160K

11th Year



İnönü Üniversitesi Sanat ve Tasarım Dergisi

eISSN: 1309-9884 ISSN: 1309-9876

Biannually 182K ± 448K

İzmir Katip Çelebi University Faculty of Health Science Journal

ISSN: 2458-9799

Tri-annual 144K ± 422K

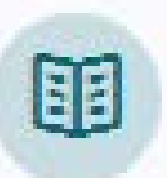
DergiPark supports national academic journals to gain presence in accordance with international standards and increase their visibility.

It's one of the biggest data provider to OpenAIRE.

<https://dergipark.org.tr/en/>



Article  
521.688



Journal  
2.375



Researcher  
426.088



Publisher  
1.068

# Turkey Academic Archive: Harman

Harman

Türkiye Akademik Arşivi

Hakkında Arama Arşiv Bilgileri Başvuru Harmanlama Kuralları İletişim

## Türkiye Akademik Arşivi

"Açık Arşivlere Açılan Kapı"

Arşivlerde ara...

It harvests IRs in  
Turkey compliant  
with international  
standards.

152 institutions  
2.092.090 records

Toplam 152 kurumda ve 2.092.090 kayıt içerisinde arama yapabilirsiniz...

Açık Arşivinizdeki içeriğin uluslararası standartlarda harmanlanması ve erişilmesi için Harman'a katılın.

Harman'a katılacak Açık Arşivlerin:

Örn. Hacettepe Üniversitesi

#	ARŞİV	KAYIT SAYISI	SON DURUM	SON ERİŞİM TARİHİ	EKLENME TARİHİ
1	29 Mayıs Üniversitesi	1.315	Çalışıyor	15.10.2021	19.01.2020
2	Abdullah Gül Üniversitesi	807	Çalışıyor	15.10.2021	18.01.2020
3	Acıbadem Üniversitesi	608	Çalışıyor	15.10.2021	18.01.2020
4	Adana Alparslan Türkeş Bilim ve Teknoloji Üniversitesi	3.204	Çalışıyor	15.10.2021	18.01.2020
5	Adnan Menderes Üniversitesi	3.908	Çalışıyor	15.10.2021	18.01.2020
6	Afyon Kocatepe Üniversitesi	7.431	Çalışmıyor	08.10.2021	18.01.2020
7	Afyonkarahisar Sağlık Bilimleri Üniversitesi	774	Çalışıyor	15.10.2021	07.05.2021
8	Aksaray Üniversitesi	5.925	Çalışıyor	15.10.2021	20.02.2021
9	Alanya Alaaddin Keykubat Üniversitesi	1.283	Çalışıyor	15.10.2021	15.12.2020
10	Altınbaş Üniversitesi	1.996	Çalışıyor	15.10.2021	12.05.2021

<https://harman.ulakbim.gov.tr/index>



# Turkey Academic Archive: Rules

The software must support the OAI\_DC format.

The archive and the OAI URL must be public and work properly.

Musn't be used UTF-8 character.

Mustn't be used HTML (and XML) tags in meta data fields.

Below Dublin Core fields must be completed:

- dc:identifier
- dc:title
- dc:creator
- dc:description
- dc:date
- dc:type
- dc:language (preferably in ISO 639-2 format)

<https://harman.ulakbim.gov.tr/harvestingManual>

## TUBITAK Open Archive: APERTA

aperta  
TÜRKİYE AÇIK ARŞİVİ

Call

Q

Load

About

Communities

SSS

Login

New Registration

## Recently uploaded works

2021 (v1.0.0)

Software

Open Access

## Simulation-Optimization of a Patented Baffle Design with Parallel Computing on TRUBA

Kuzay, Mustafa ; Nasyrlyayev, Nazhmiddin ; Demirel, Ender

Treatment of surface waters in large cities has been emerged as a critical point of interest for governments in recent years with increasing clean water demand and development of energy intensive water treatment technologies such as ozone and ultraviolet. Raw water is mixed with the disinfectant in a multi-chambered contact tank at the last stage of the treatment procedure to remove viruses and pathogens from the water. An efficient contact system is required for the effective disinfection of water with less disinfectant and energy usage, whereas conventional mixing systems suffer from low...

<https://aperta.ulakbim.gov.tr/>

## What is Aperta?

Aperta is the name of the Turkish Open Archive.

You can upload your scientific studies within the scope of Aperta to this portal or you can easily access the uploaded studies.



## What is the Scope of Aperta?

- **Safe and Reliable** — Your data is securely stored by ULAKNET as long as it exists at TUBITAK ULAKBİM.
- **DOI Support** — a Digital Object Identifier (DOI) is assigned to make records referenceable and traceable.
- **No waiting time** — as soon as you hit the Publish button, uploads are available online and your DOI is saved within minutes.
- **Open or closed** — For example, anonymized clinical trial data can only be shared with medical professionals through the restricted access mode.
- **Versioning** — Easily update your dataset with versioning
- **Usage statistics** — All downloads can be viewed with standards-compliant usage statistics.

More

**Institutional Repository for TUBITAK &  
Research Data Repository to serve all universities**

**Provide open access to scientific publications and research data by  
adopting the "TÜBİTAK Open Science Policy".**

**Over 55,400 publications**

**Free DOI support will be provided for two years for the data sets to be  
uploaded.**



re3data <https://www.re3data.org/repository/r3d100013444>

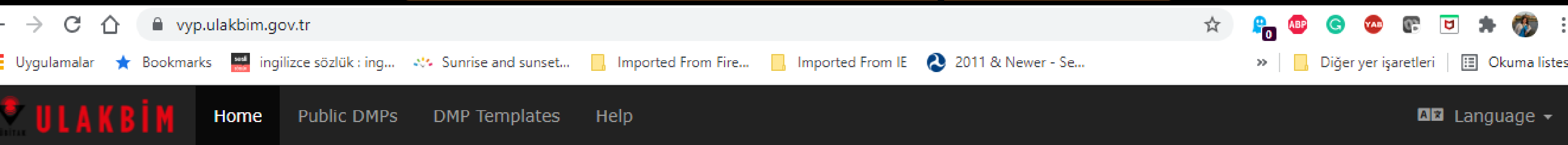
@TubitakUlakbim's Tweets

TÜBİTAK ULAKBİM Retweeted





# TUBITAK: DMP Templates



## Welcome to vvp.

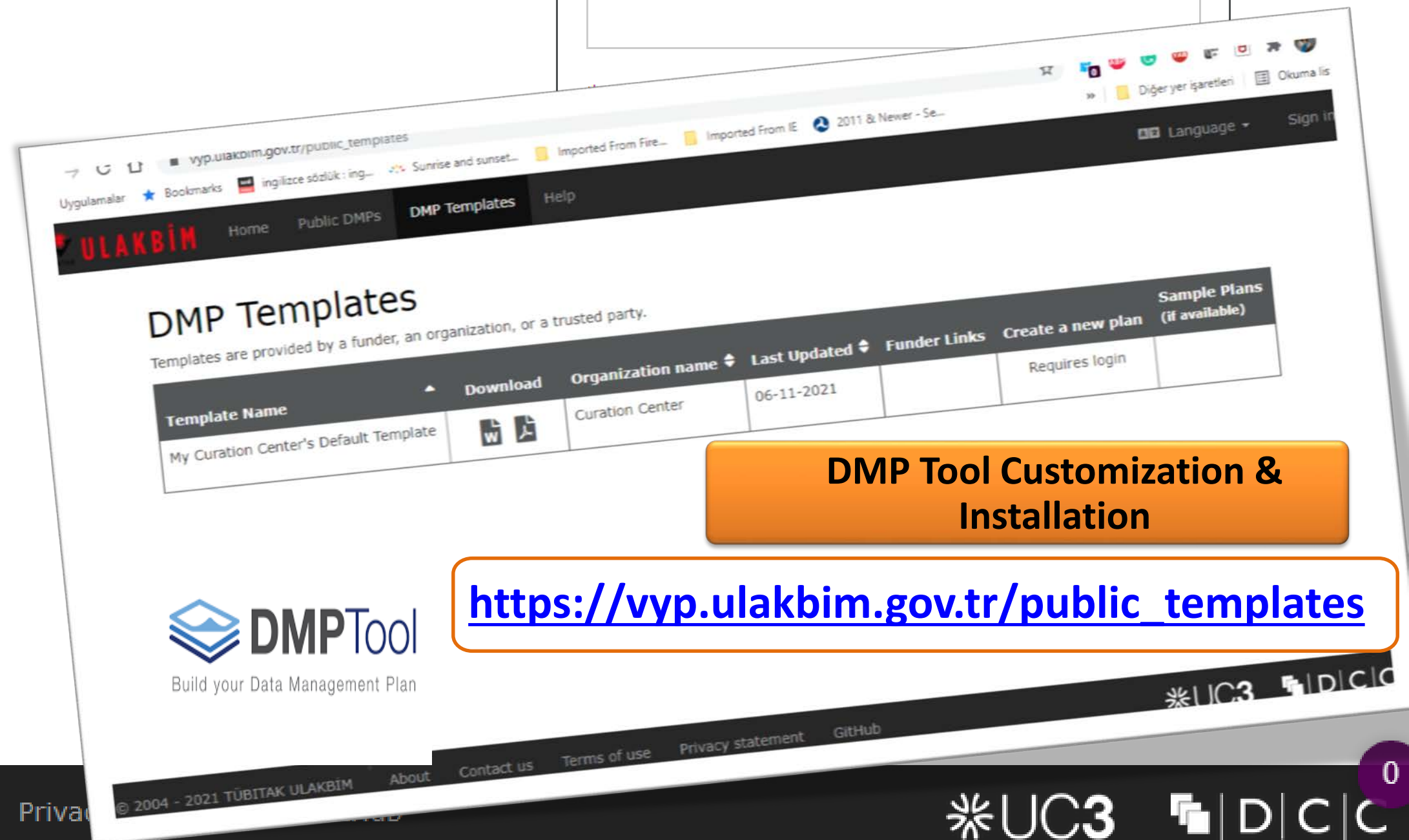
vvp has been developed by the **TÜBİTAK ULAKBİM** to help you write data management plans.

### Getting started:

- Aperta
- Araştırma Verileri Yönetimi Eğitim Portalı
- Türkiye Ulusal Bilim e-Altyapısı

Sign in Create account

\* Email



DMP Tool Customization & Installation

<https://vvp.ulakbim.gov.tr/>

[https://vvp.ulakbim.gov.tr/public\\_templates](https://vvp.ulakbim.gov.tr/public_templates)

# Research Data Management Training Portal

Araştırma Verileri Yönetimi  
Eğitim Portalı

Anasayfa

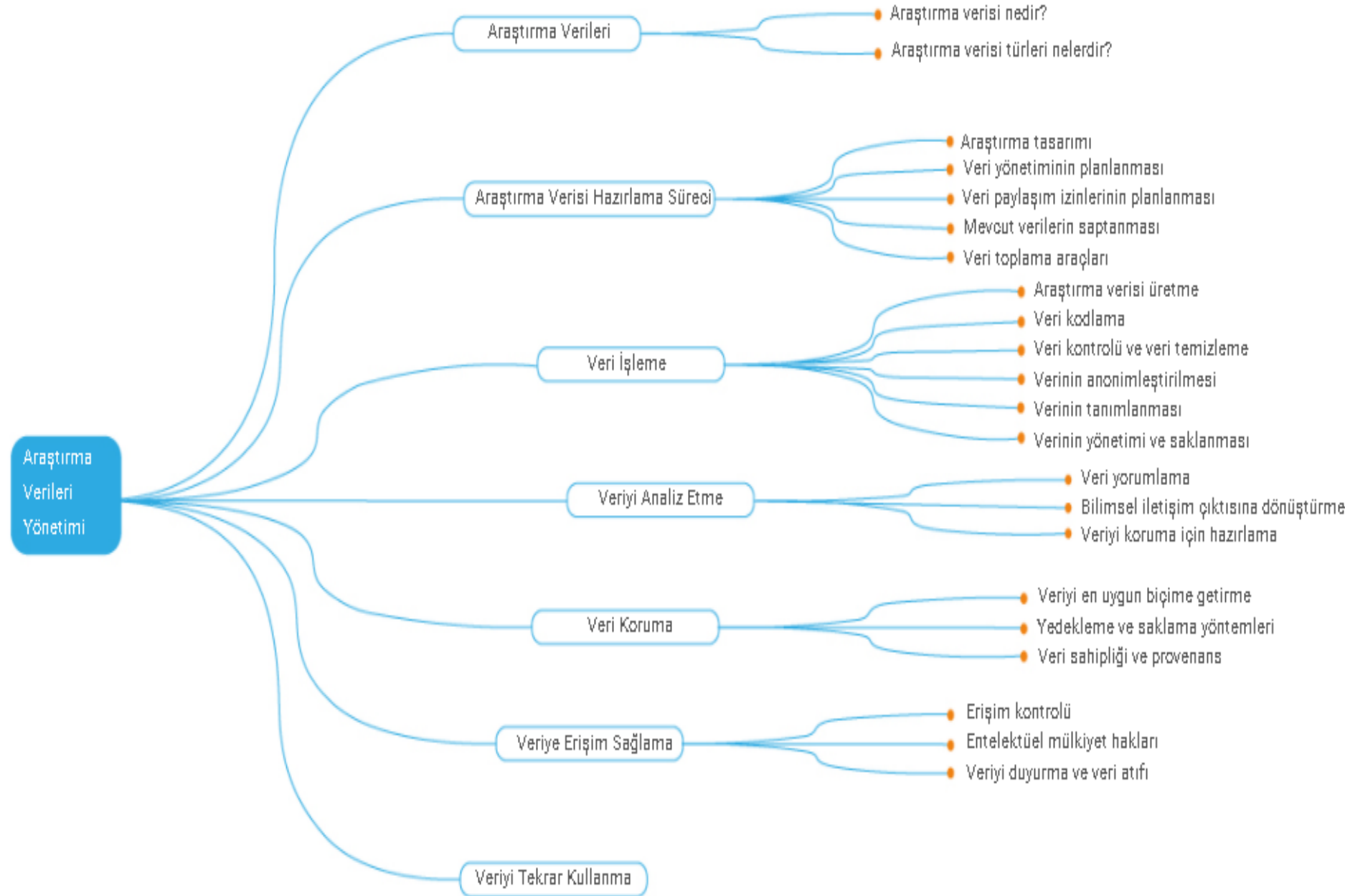
Araştırma Verileri Yönetimi

Aperta

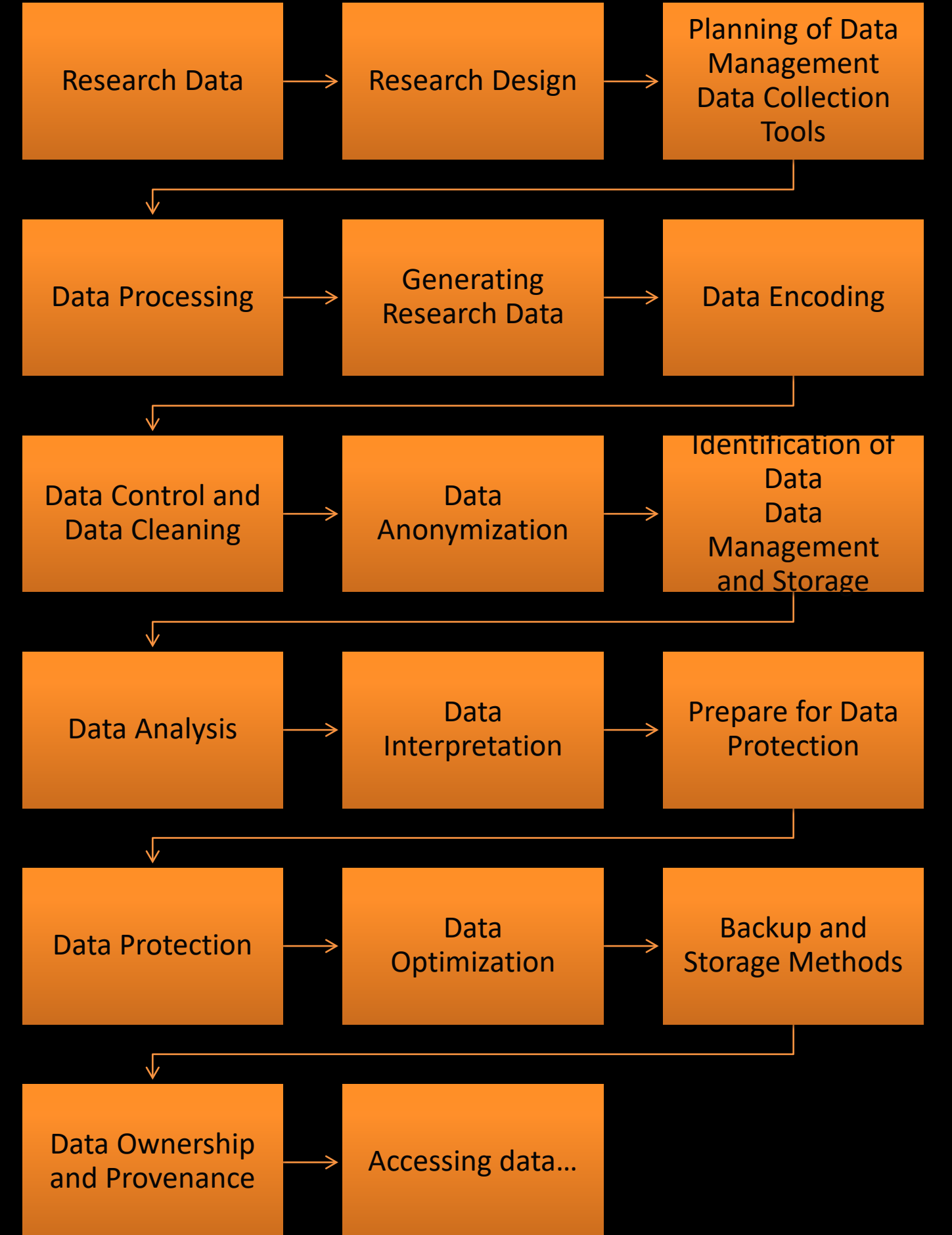
Açık Erişim

Videolar

İletişim



Bu portal Türkiye'de görev yapan araştırmacılar, proje yöneticileri, fon sağlayıcı kurumlar ve akademik kuruluşlar için araştırma verilerinin yönetimi konusunda temel bir rehber sunmayı amaçlamaktadır. Portal kapsamında araştırma verilerinin tanımı, hazırlanması, işlenmesi, analiz edilmesi, korunması, erişim sağlanması ve yeniden kullanılması gibi çeşitli unsurlar hakkında detaylı bilgiler sunulmaktadır.







Main Page

The TRUBA Initiative

Resources

CA

Performance Indices



## EOSC-hub Project

Home > EOSC-hub Project

### EOSC European Open Science Cloud Membership

Services for the European Open Science Cloud

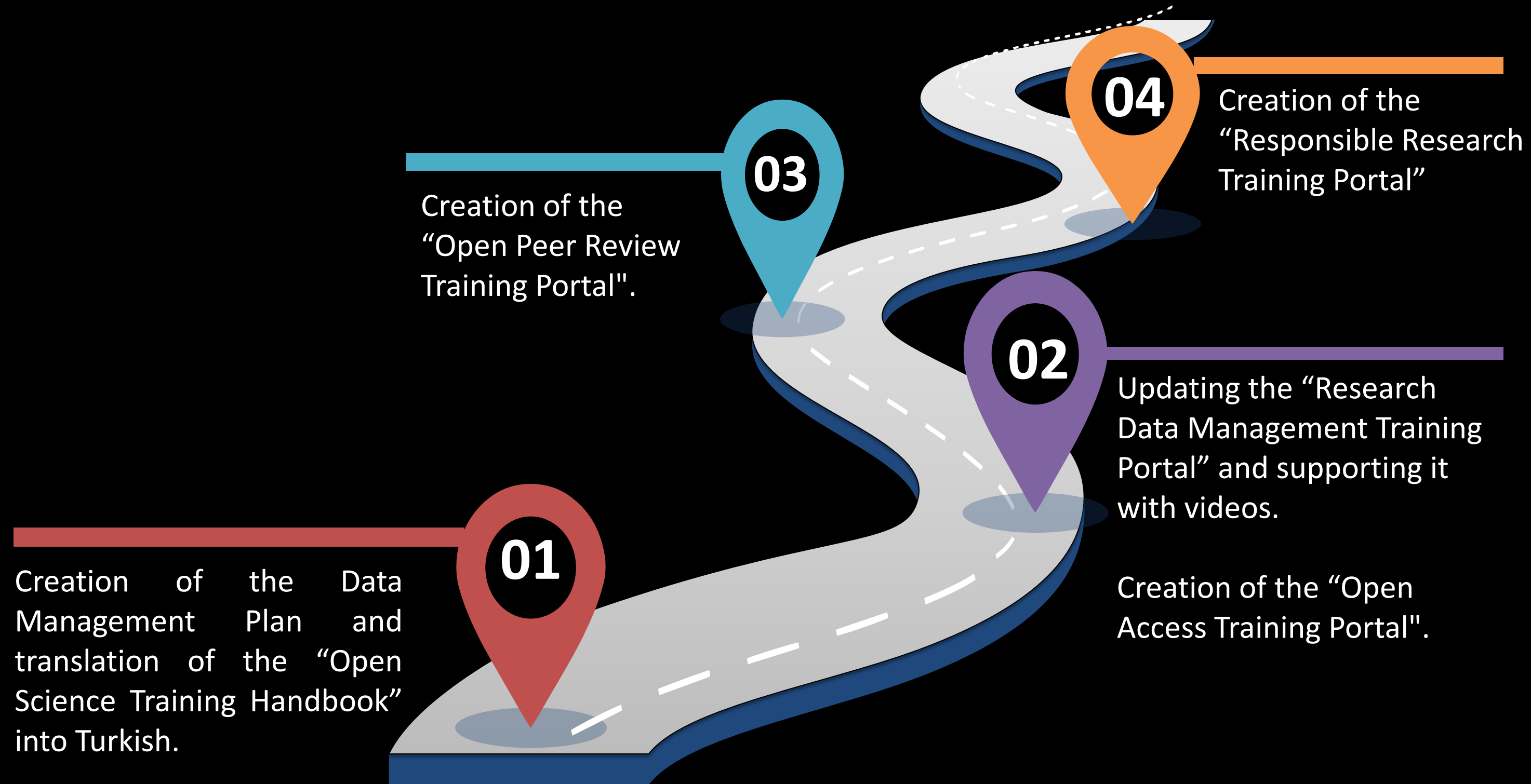


<https://www.eosc-hub.eu/>

<http://www.truba.gov.tr/index.php/en/eosc-hub/>

EGI, EUDAT, and INDIGO Data Cloud projects, with unique open access to research data and services through the EOSC-hub project, are planning to lay the foundations of EOSC. The project will present these resources as "Hub".

# TUBITAK: Until the End of the Year 2021







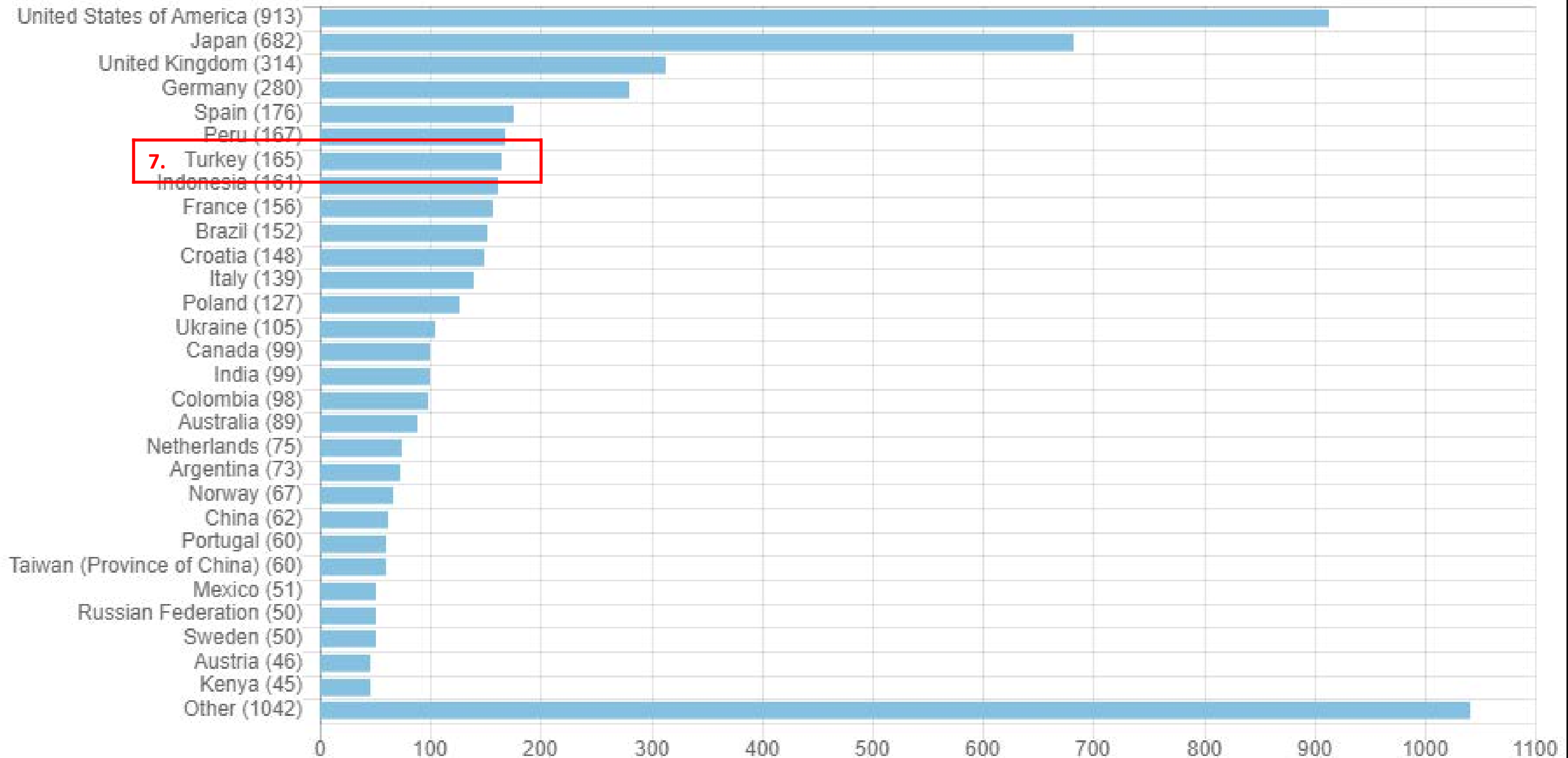
# Numbers

Services	Institutions
Harman – Turkey Academic Archive	152 (2.092.090 records)
OpenAIRE	129
OpenDOAR	165
ROAR	159
ROARMAP	109

Data as of October 21, 2021

# OpenDOAR Statistics: Repositories by Country

## Repositories by Country

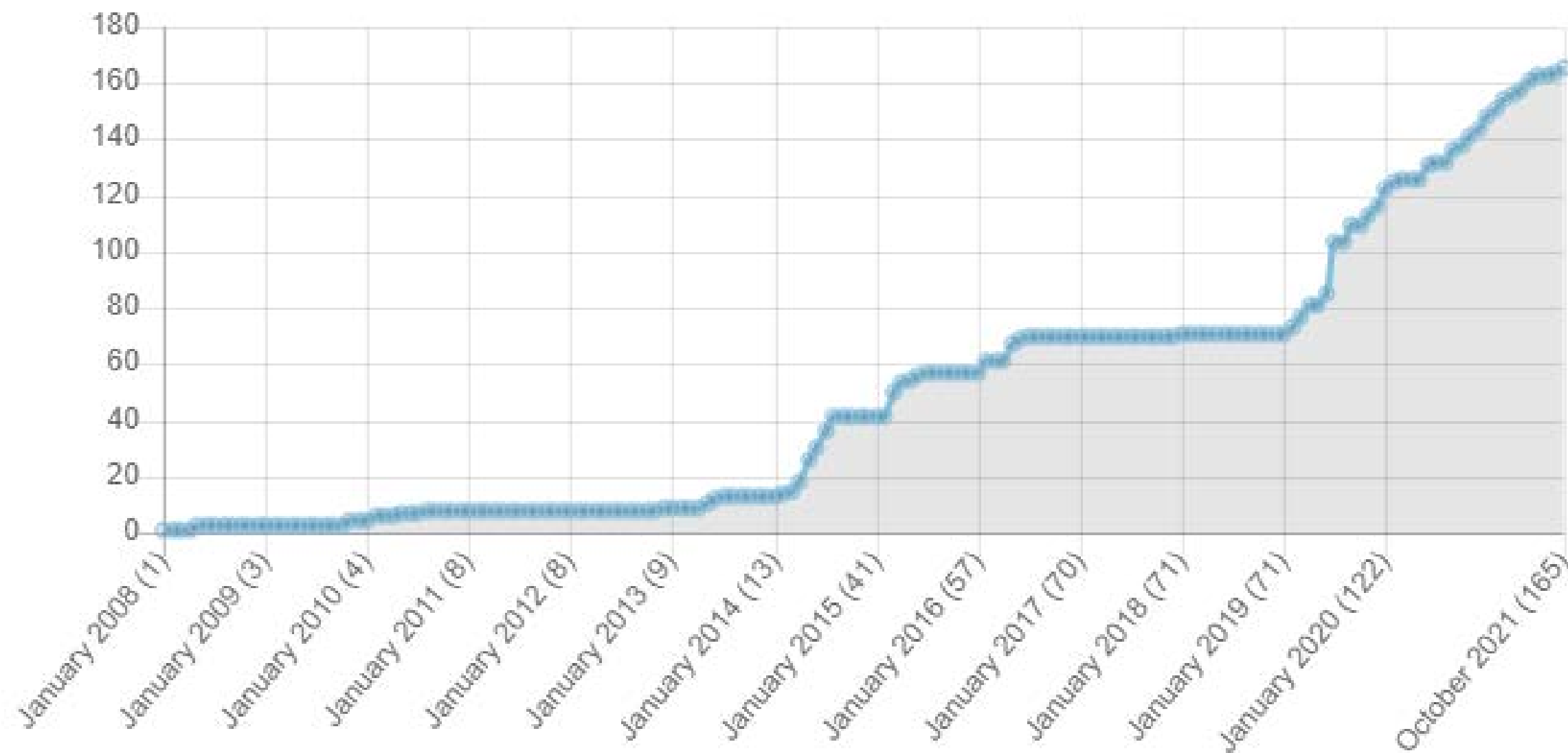


Data as of October 21, 2021

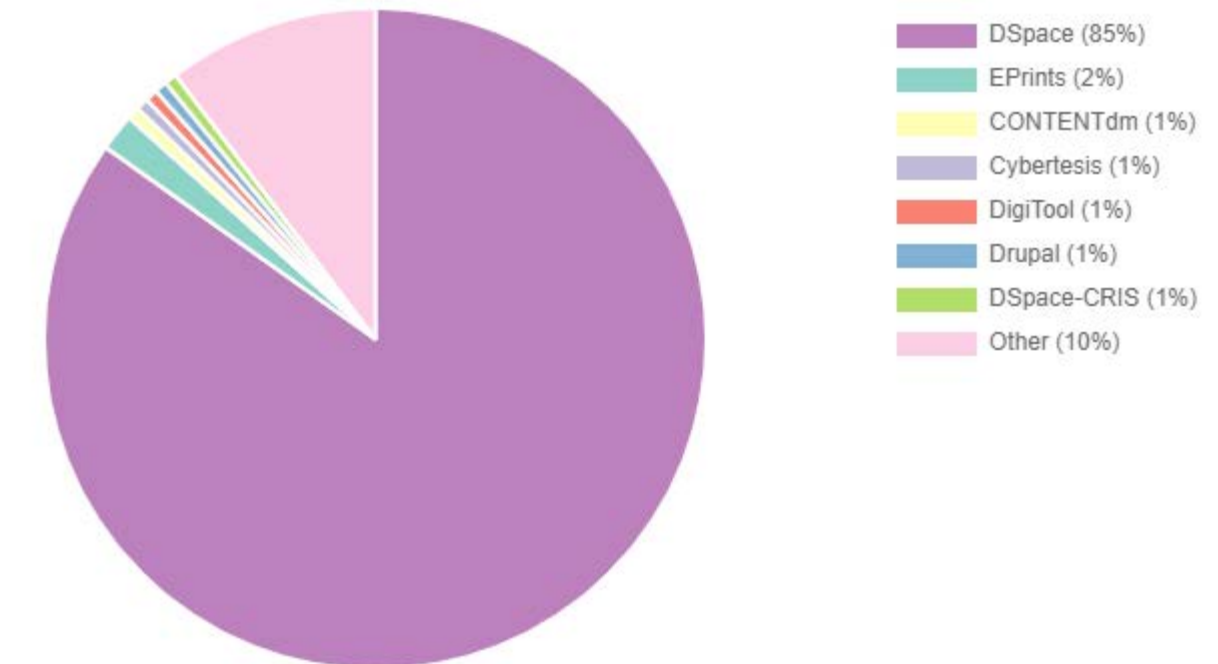


# OpenDOAR Statistics: Turkey

Growth of OpenDOAR



Software Platforms Overview



[https://v2.sherpa.ac.uk/view/repository\\_by\\_country/Turkey.default.html](https://v2.sherpa.ac.uk/view/repository_by_country/Turkey.default.html)

Data as of October 21, 2021

# Translations into Turkish: COAR

January 8, 2021

Report Open Access

## COAR Açık Arşivlerde İyi Uygulamalar için Topluluk Çerçevesi

Confederation of Open Access Repositories

Editor(s)

Holt, İlkay

Bu çerçevenin amacı, açık arşivlerin mevcut operasyonlarını bir dizi uygulanabilir ve başarılabılır iyi uygulamaya dayalı olarak değerlendirmesine ve iyileştirmesine yardımcı olmaktır.

Halen, açık arşivlerin operasyonlarını belirli açılardan (keşif, erişim, yeniden kullanım, bütünlük, kalite güvencesi, koruma, gizlilik ve sürdürülebilirlik gibi) değerlendirmesine yardımcı olmak için geliştirilmiş bir dizi mevcut çerçeve ve değerlendirme kriteri mevcut, ancak bu kriterler belli kuruluşlar tarafından benimsenmiş ve sıklıkla yalnızca bir bölge veya bir arşiv türü ile ilgilidir.

Bu çalışmada, açık arşivlerin operasyonlarını belirli açılardan (keşif, erişim, yeniden kullanım, bütünlük, kalite güvencesi, koruma, gizlilik ve sürdürülebilirlik gibi) değerlendirmesine yardımcı olmak için geliştirilmiş bir dizi mevcut çerçeve ve değerlendirme kriteri mevcut, ancak bu kriterler belli kuruluşlar tarafından benimsenmiş ve sıklıkla yalnızca bir bölge veya bir arşiv türü ile ilgilidir.

### COAR Community Framework for Good Practices in Repositories

This document is translation of COAR Community Framework for Best Practices in Repositories. (Version 1) available at <http://doi.org/10.5281/zenodo.4110829> = Bu doküman COAR Community Framework for Best Practices in Repositories. (Version 1). <http://doi.org/10.5281/zenodo.4110829> künyeli yayının çevirisidir.

<https://zenodo.org/record/4428521>

Preview

Page: 1 of 5 Automatic Zoom:

### COAR Açık Arşivlerde İyi Uygulamalar için Topluluk Çerçevesi

Kamuya açık versiyon 1 – 8 Ekim 2020

Bu metin Confederation of Open Access Repositories. (2020, October 8). COAR Community Framework for Best Practices in Repositories. (Version 1). Zenodo. <http://doi.org/10.5281/zenodo.4110829> künyeli, CC BY lisanslı yayının çevirisidir. Daha fazla bilgi için [www.coar-repositories.org](http://www.coar-repositories.org) adresini ziyaret edebilirsiniz.

Amaç

## COAR kaynak türleri sözlüğünün 3.0 sürümünü yayınladı



Orçun Madran

11 Ağustos 2021

Açık Arşivler, COAR, Kontrollü Sözlük, Kurumsal Arşivler

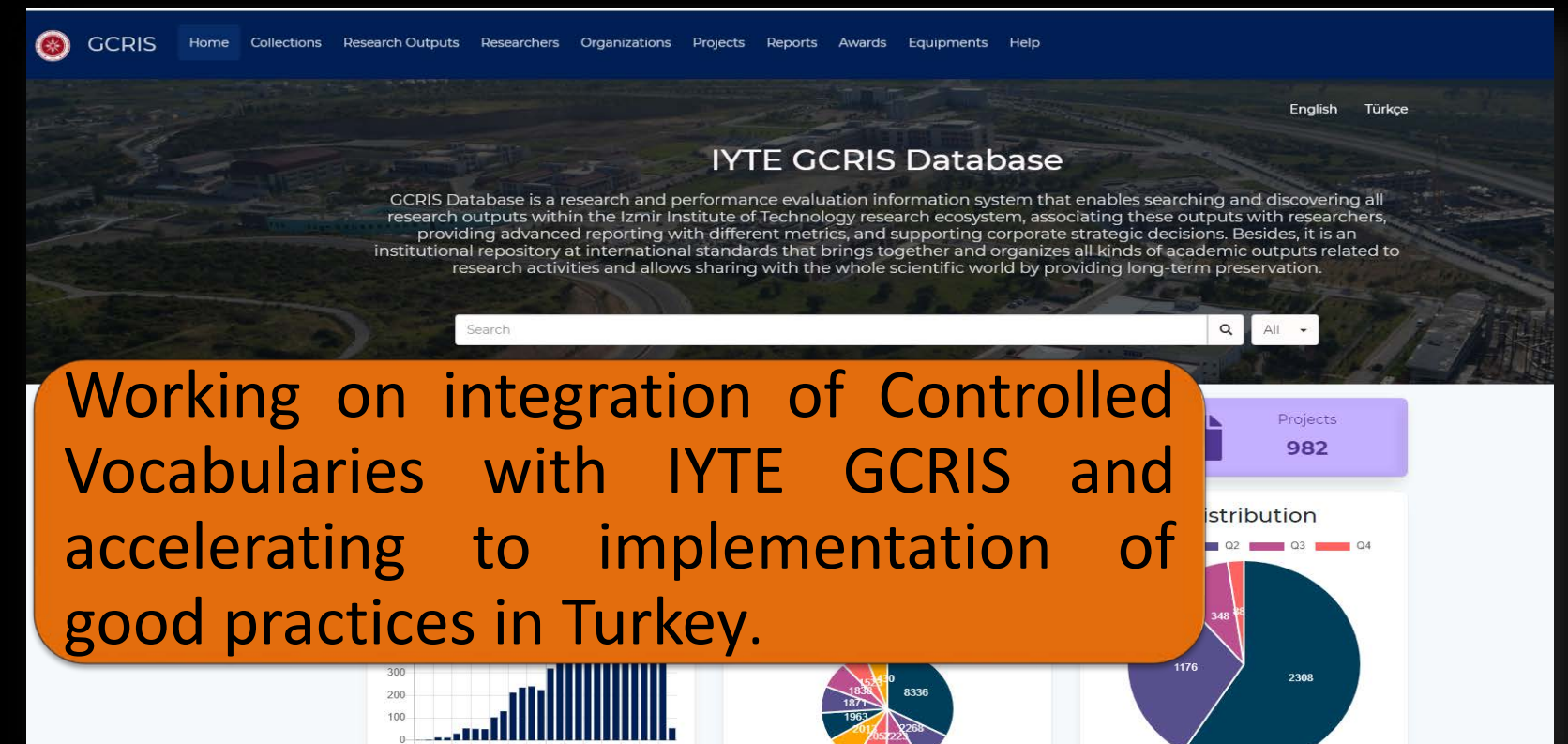
Kaynak türleri sözlüğünün 3.0 sürümünün yayınlandığını duyurmaktan mutluluk duyuyoruz. 2015'ten bu yana, Kontrollü Sözlükler Editör Kurulu tarafından üç COAR Kontrollü Sözlüğü geliştirildi ve sürdürülmekte: Kaynak türleri, erişim hakları ve versiyon türleri. Bu sözlükler şimdi yeni bir görünüme sahip ve Viyana Üniversitesi Kütüphanesi bünyesinde barındırılan iQvoc platformu kullanılarak yönetiliyor.

### COAR Controlled Vocabularies for Repositories

çok dillilik desteği ile pek çok dilde mevcuttur. Ayrıca, özellikle

<https://acikerisim.org/coar-kaynak-turleri-sozlugunun-3-0-surumunun-yayinladi/#more-129>

Not: İlkay Holt'un COAR'daki [blog yazısından](#) Türkçe çevrilmiştir.



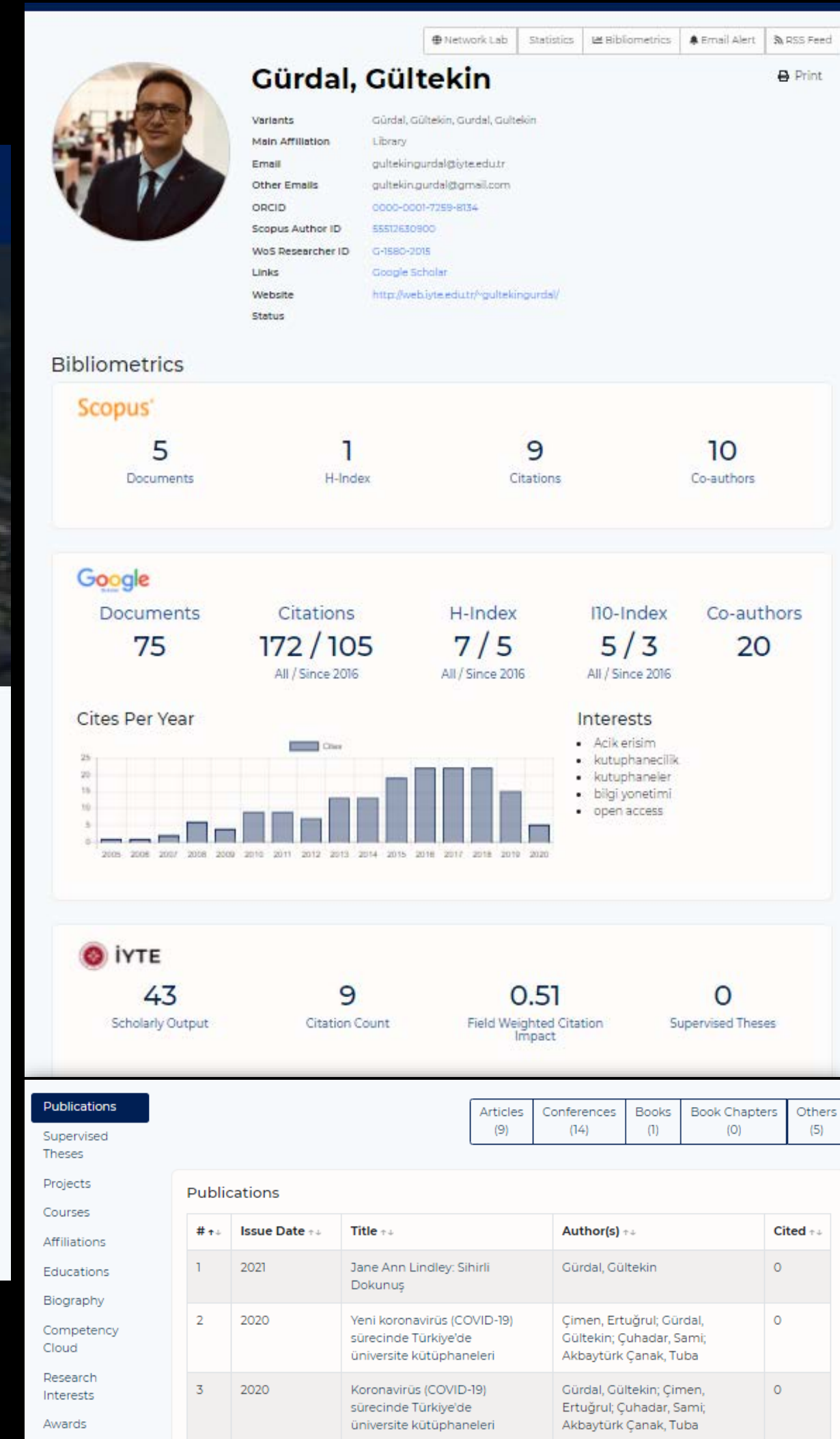
Working on integration of Controlled Vocabularies with IYTE GCRIS and accelerating to implementation of good practices in Turkey.



# Strengthen the IR



<https://gcris.iyte.edu.tr>



# Open Science Policy in Turkey: National Policy

 **OpenAIRE BLOG**

THIS BLOG HAS BEEN DISCONTINUED. Please acc

## Open Access to Theses and Dissertations in Turkey has been Enacted by the Parliament

Gültekin Gürdal | 2018-08-07 | country highlights | Add Reply

48

This has been an extremely important improvement for the open access in Turkey. The Council of Higher Education (YÖK) National Theses Center and Turkey OpenAIRE NOAD had worked hard to make compulsory open access to theses and dissertations. As a result of these efforts, the Art. 10 of Law numbered 7100 has been entered into force upon publication of the Official Gazette numbered 30352 and dated March 06, 2018. According to this article, which constitutes Additional Art 40 of Higher Education Code numbered 2547:

**07.08.2018**

"Unless a decision of secrecy is taken by the universities, research centers and organizations, the graduate theses shall be opened to access in electronic environment by the National Theses Center of the Council of Higher Education in order to contribute to science."

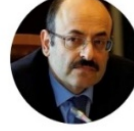
It is compulsory to send all theses and dissertations to YÖK National Theses Center in Turkey. Therefore, after the said provision entered into force, "The Directive on Collecting, Organizing and Opening to Access The Theses and Dissertations in Electronic Environment" is prepared in cooperation with YÖK National Theses Center and OpenAIRE NOAD Turkey and shared with all universities in the country.

Before this regulation, theses and dissertations were closed to access for 3 years in accordance with the request of the respective author. However, it is no longer possible to prevent access to theses and dissertations except for the provisions of the regulation. In other words, the author's request is not enough to close theses and dissertations, but also university administration decision is necessary. This improvement is an important step in the liberation of science. Henceforth, much more theses and dissertations from Turkey will be available to the scientific world.

The rate of  
OA Theses  
and  
Dissertations  
raised from  
%56.3 to  
%98.7

Turk Telekom 10:19 %98

Tweet

 **M. A. Yekta Saraç** @yekta\_sarac





YÖK'ün girişimi ile başlatılan yasal süreç sonucunda, lisansüstü tezlerin elektronik ortamda erişime açılması ile birlikte erişime açık tez sayısının oranı 2017 yılında %56,3 iken, 2018 yılında %98,7'ye yükseldi. Tabloda konuya ilişkin bilgiler yer almaktadır:

SAYILARLA, YÖK ULUSAL TEZ MERKEZİ (31 ARALIK 2018)

Toplam Tez Sayısı	: 520.456
Erişime Açık Tez Sayısı	: 343.631
Yararlanan Araştırmacı Sayısı	: 4.019.895
İndirilen Tez Sayısı	: 14.640.189

Yıl	Sisteme Eklenen Tez Sayısı	Erişime Açık Tez Sayısı	Erişime Açık Tez Sayısının % Oranı
2017	36.610	20.617	%56.3
2018	41.816	41.314	%98.7

Yanıtını Tweetle

The number of theses downloaded from the CoHE National Thesis Center increased by 110% in May, compared to the figure in March when the novel Coronavirus (COVID-19) pandemic started to be seen in Turkey.



# IZTECH Open Access Policy

İZMİR YÜKSEK TEKNOLOJİ ENSTİTÜSÜ

Senato Karar Tarihi: 08.10.2013

İZMİR YÜKSEK TEKNOLOJİ ENSTİTÜSÜ  
AÇIK ERİŞİM POLİTİKASI

**POLİTİKA BAŞLIĞI:**

İzmir Yüksek Teknoloji Enstitüsü (İYTE) bünyesinde yapılan akademik çalışmalar için açık erişim, kurumsal arşivleme, uzun dönemli derleme ve dijital koruma.

**BAĞLAM:**

Özellikle ileri düzeyde eğitim-öğretim, araştırma, üretim, yayın ve danışmanlık yapmak üzere 1992 yılında kurulmuş olan İYTE, Türkiye Cumhuriyeti'nin çıkarlarına ve kalkınmasına hizmet edecek, sanayinin ve toplumun ihtiyaçlarına cevap verecek nitelikte eğitim vermeyi, araştırmalar yapmayı ve araştırma sonuçlarının mümkün olan en geniş çevrelere sunulmasını ilke edinmiştir. Bir devlet üniversitesi olarak İYTE, lisans ve lisansüstü seviyelerde; araştırmacı, yaratıcı ve girişimci, eleştirel düşünceye yatkın ve karar vermede özgür, ekip çalışmasında başarılı, kendi teknolojimizin üretilmesine katkısı olacak, hammadde kaynaklarımızı değerlendirecek, katma değeri yüksek üretime önderlik edecek, kendi iş ortamını yaratacak bilim insanları, mühendisler, mimarlar ve plancılar yetiştirerek ülkemize katkıda bulunmayı hedeflemekte ve bir araştırma üniversitesi olarak geniş kitlelere karşı taşıdığı sorumluluklarının önemini çok iyi bilmektedir.

Türkiye'nin sanayi alanında gelişimi ve Türkiye ekonomisinin geleceği, yeni teknolojilerden yararlanılmasına ve bu teknolojilerin geliştirilmesinde oynanacak aktif role bağlı olacaktır. Bunun içindir ki, ileri ülkelerde, özellikle teknolojik alanda üst düzeyde eğitim-öğretim ve araştırma yapma temel amacıyla benimsenen en gelişmiş teknik üniversite modeli, teknoloji enstitüleridir. Ülkemizde böylesi bir misyonu yüklenmesi için kurulan iki teknoloji enstitüsünden biri olan İYTE'nin akademik çalışmalarının açık erişim olarak paylaşılması, bu çalışmaların görünürlüğünü ve tanınırlığını arttırmayı mümkün kılarak, yapılacak yeni araştırmalarda kamu ve özel sektörden daha fazla proje desteği sağlanmasına olanak tanıyacaktır. Bu nedenle İYTE, mensuplarına ait akademik çalışmaları mümkün olan en geniş kitlelere ulaştırabileceği bir açık erişim mekanizması ve bu kapsamda hizmet verecek bir açık erişim arşivi kurmaya karar vermiştir. İYTE Kütüphanesi, üniversite araştırmacılarına ait çalışmaların uygun formatlarda derlenmesinde, uzun dönemli korunmasında ve en geniş şekilde erişime sunulmasında stratejik bir rol oynayacaktır.

**POLİTİKA AMAÇLARI:**

1. İYTE bünyesinde üretilen akademik çalışmaların uzun dönemli derlenmesinin ve korunmasının sağlanması.
2. İYTE bünyesinde üretilen akademik çalışmaların mümkün olan en geniş çevrelerde erişime sunulması.

IZTECH Open Access Policy was approved by IZTECH Senate on 08 October 2013.

IZTECH Policy was the first Open Access Policy in Turkey. Sent to other Turkish universities as a model policy by CoHE.

<https://hdl.handle.net/11147/7216>



# IZTECH Open Science Policy

www.iyte.edu.tr



Senato Karar Tarihi/Sayısı: 26.03.2019/2

## İZMİR YÜKSEK TEKNOLOJİ ENSTİTÜSÜ AÇIK BİLİM POLİTİKASI

### Bağlam

Özellikle ileri düzeyde eğitim-öğretim, araştırma, üretim, yayın ve danışmanlık yapmak üzere 1992 yılında kurulmuş olan İYTE, Türkiye Cumhuriyeti'nin çıkarlarına ve kalkınmasına hizmet edecek, sanayinin ve toplumun ihtiyaçlarına cevap verecek nitelikte eğitim vermeyi, araştırmalar yapmayı, araştırma verilerinin ve sonuçlarının mümkün olan en geniş çevrelere sunulmasını ilke edinmiş bir devlet üniversitesidir. İYTE, araştırmacılarına ait çalışmaların uygun formatlarda derlenmesi, uzun dönemli korunması ve en geniş şekilde erişime sunulabilmesi için bu Açık Bilim Politikasını oluşturmuştur.

Bu politikanın oluşturulmasında AB destekli OpenAIRE Advance projesi Açık Erişim/Açık Veri Politikası Hazırlama Rehberi, UNESCO Açık Erişim Politikası Geliştirme Rehberi, MedOANet ve PASTEUR4OA Politika Hazırlama Rehberi, LEARN projesi Modern Araştırma Verisi Yönetimi Politikası, SPARC Europe Açık Veri ve Açık Bilim Politikaları Avrupa Raporu, İYTE Açık Erişim Politikasından yararlanılmıştır.

Translated OpenAIRE model Policy on Open Science for Research Performing Organisations (RPOs) into Turkish and adapted it to Izmir Institute of Technology (IZTECH) as a model.

IZTECH Open Science Policy was approved by IZTECH Senate on 26 March 2019.

This policy, which is the first Open Science Policy in Turkey, includes details on both publications and research data.

Sent to other Turkish universities as a model policy by CoHE.

<http://hdl.handle.net/11147/51>

# Funder Policy: TUBITAK Open Science Policy

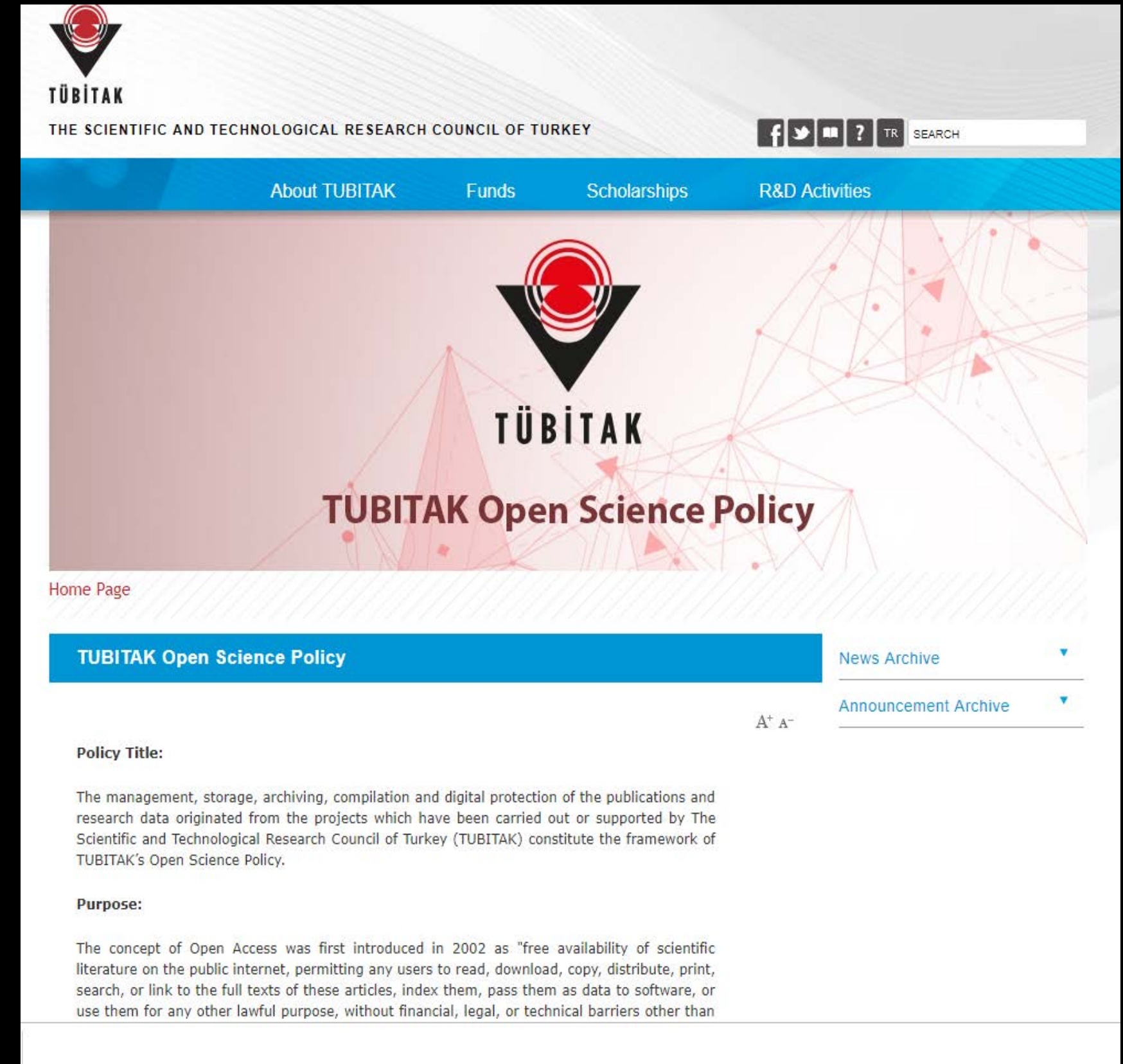
The Scientific and Technological Research Council of Turkey (TUBITAK) got accepted Open Science Policy on March, 14 2019.

Based on OpenAIRE model Policy on Open Science for Research Funding Organisations (RFOs).

It covers publications (peer reviewed articles, etc.) and research data which is produced by TUBITAK support, completely or partially, and the publications and research data of TUBITAK researchers.

It has been deemed appropriate to implement the policy to pilot programs in 2019 and to all support programs in 2020.

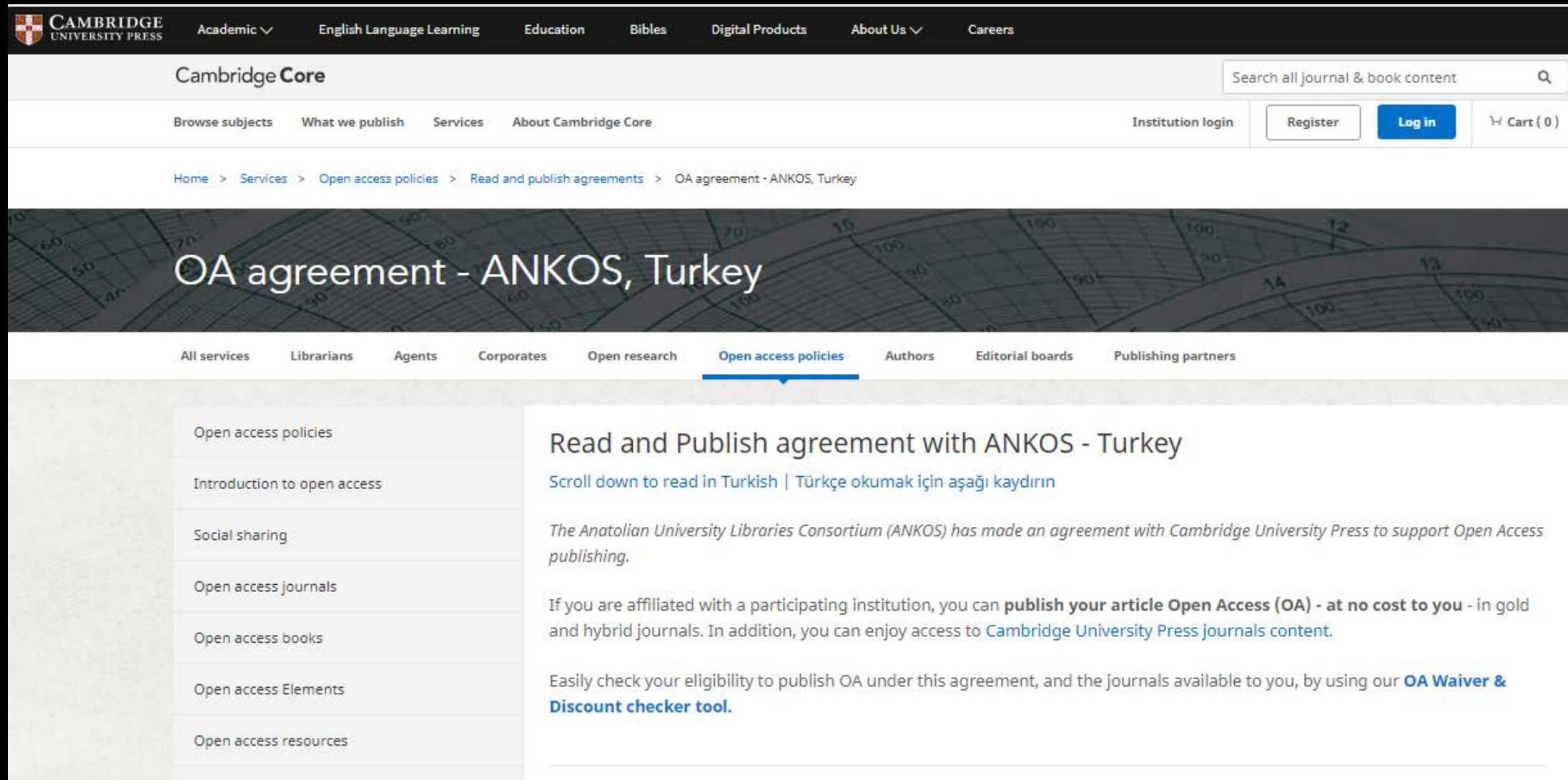
The number of researchers affected by this policy ~ 25.000



<https://ulakbim.tubitak.gov.tr/en/haber/tubitak-open-science-policy-accepted>



# Transformative Aggrements



The Anatolian University Libraries Consortium (ANKOS) has made an agreement with Cambridge University Press to support Open Access publishing..  
Only Cambridge Subscribers can publish their articles Open Access.



**Turkey National Academic License for Electronic Resources**

- <https://cabim.ulakbim.gov.tr/ekual/e-veri-tabanlari/universiteler-ve-polis-akademisinin-erisimine-acilan-veritabanlari/>

**ANKOS Aggrements**

- <http://online.ankos.org.tr/raporlar/vts.php?donem=2021>

<https://www.cambridge.org/core/services/open-access-policies/read-and-publish-agreements/oa-agreement-ankos>



# Challenges

**Some institutions don't have Open Science policy.**

**There aren't enough specialists working on open science and repositories: repository managers, librarians etc...**

**Lack of a national open science policy.**

**Policies exist on paper but not implemented in reality.**

**Inadequate IT support in institutions for IR implementation or developments.**

# Opportunities

Being part of international community is important...



# IZTECH Member of OpenAIRE

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### NORWAY

- Unit-Direktoratet for IKT og fellestjenester i høyere utdanning og forskning

### SWEEDEN

- Kungliga biblioteket
- National Library of Sweden

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- Helsingin yliopisto (UH)

### ESTONIA

- University of Tartu

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- Kauno technologijos universitetas (KTU)
- Stichting eFL.net

### POLAND

- University of Warsaw

### CZECH REPUBLIC

- Masaryk University

### SLOVAKIA

- Centrum Vedecko Technických Informací (CVTISR)- Slovak Centre of Scientific and Technical Information

### UKRAINE

- Ukrainian Institute of Scientific and Technical Expertise and Information (UkrISTEI)

### ROMANIA

- UEFISCDI (Executive Agency for Higher Education, Research, Development and Innovation Funding)

### BULGARIA

- Institute of Mathematics and Informatics, Bulgarian Academy of Sciences

### ARMENIA

- Institute for Informatics and Automation Problems of the National Academy of Sciences of the Republic of Armenia

### TURKEY

- Izmir Institute of Technology (IIT)

### CYPRUS

- University of Cyprus Library

### ISRAEL

- Bar Ilan University

### ICELAND

- Landspítali University Hospital
- National and University Library of Iceland

### NETHERLANDS

- Data Archiving and Networked Services (DANS)

### BELGIUM

- Ghent University

### LUXEMBOURG

- University of Luxembourg

### FRANCE

- University of Lille Library
- CNRS
- Couperin

### SWITZERLAND

- CERN (European Organization for Nuclear Research)
- Hauptbibliothek der Universität Zürich

### SPAIN

- Fundación Española para la Ciencia y la Tecnología (FECYT)

### PORTUGAL

- Universidade do Minho

### AUSTRIA

- Universität Wien

### SLOVENIA

- Univerza v Ljubljani (UL)

### ITALY

- Consiglio Nazionale delle Ricerche (CNR)

### CROATIA

- Rudjer Boskovic Institute

### HUNGARY

- University of Debrecen

### MALTA

- University of Malta

### BOSNIA AND HERZEGOVINA

- CREDI
- University of Banja Luka

### MONTENEGRO

- University of Montenegro

### SERBIA

- University of Belgrade

### REPUBLIC OF NORTH MACEDONIA

- Ss. Cyril and Methodius University in Skopje
- UKIM

### GREECE

- HEAL-link
- Athena Research and Innovation Center
- Library of the University of Piraeus

<https://www.openaire.eu/amke-members>



# References

<https://en.iyte.edu.tr/about/general-information/>

<https://zenodo.org/record/3406968>

[https://yunus.hacettepe.edu.tr/~tonta/yayinlar/tonta\\_open\\_access\\_and\\_institutional\\_repositories\\_the\\_Turkish\\_landscape.pdf](https://yunus.hacettepe.edu.tr/~tonta/yayinlar/tonta_open_access_and_institutional_repositories_the_Turkish_landscape.pdf)

<http://eprints.rclis.org/7564/1/oaankos.pdf>

<https://pt.slideshare.net/ilkayholt/the-open-access-movements-in-turkey-and-its-effects-to-turkish-library-world?ref=>

[https://www.researchgate.net/publication/28805471\\_Institutional\\_Repository\\_Movement\\_in\\_Turkey](https://www.researchgate.net/publication/28805471_Institutional_Repository_Movement_in_Turkey)

<https://www.openaire.eu/os-turkey>

[https://ankos.org.tr/wp-content/uploads/2018/10/Turkey2009\\_AE\\_Raporu.pdf](https://ankos.org.tr/wp-content/uploads/2018/10/Turkey2009_AE_Raporu.pdf)

[http://www.medoanet.eu/sites/www.medoanet.eu/files/documents/D2.3%20-%20Report%20on%20National%20Workshops-3\\_final.pdf](http://www.medoanet.eu/sites/www.medoanet.eu/files/documents/D2.3%20-%20Report%20on%20National%20Workshops-3_final.pdf)

<https://www.openaire.eu/open-access-developments-in-turkey-boosted-by-the-higher-education-council>

<https://core.ac.uk/download/pdf/324143507.pdf>

<https://gcris.iyte.edu.tr/handle/11147/9677>

<https://hdl.handle.net/11147/7214>

<https://www.yok.gov.tr/en/Sayfalar/news/2020/cohe-national-thesis-center-draws-great-interest.aspx>

<https://ulakbim.tubitak.gov.tr/en/haber/tubitak-open-science-policy-accepted>

<https://www.openaire.eu/blogs/turkey-research-data-and-open-data-task-force-established>

<https://www.openaire.eu/blogs/sustainable-open-science-and-equity-in-open-knowledge-in-turkey>

<https://www.openaire.eu/blogs/a-big-step-from-iztech-in-the-open-science-way>

<https://www.openaire.eu/blogs/all-stakeholders-came-together-at-turkish-open-science-summit-2018-1>

<https://www.openaire.eu/blogs/iztech-university-s-view-on-research-data-an-example-of-research-data-reuse>

<https://ulakbim.tubitak.gov.tr/en/haber/scoap3-launches-open-access-high-energy-physics-books>

<https://www.truba.gov.tr/index.php/en/main-page/>



# Thank You...

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